CATALOG
of
STUDY
23/24


BUSSELL LIBRARY

ACT STATEMENT OF ACCREDITATION

The American College of Thessaloniki, a division of Anatolia in Thessaloniki, Greece, is accredited by the New England Commission of Higher Education (NECHE).

Accreditation of an institution of higher education by NECHE indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process.

An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by NECHE is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the accreditation status by NECHE should be directed to the administrative staff of the institution. Individuals may also contact:

New England Commission of Higher Education
3 Burlington Woods Drive, Suite 100
Burlington, MA 01803-4514
781-425-7785
e-mail: info@neche.org
web-site: www.neche.org

OPEN UNIVERSITY VALIDATION:
Institutional Approval and Program validation by The Open University

The American College of Thessaloniki is approved by The Open University (OU) as an appropriate organization to offer higher education programs leading to Open University validated awards.

All of ACT's undergraduate degree programs are currently validated by The Open University. Starting Fall 2013, all entering students follow a program of studies leading simultaneously to a dual degree: an American degree and a European degree awarded by The Open University. ACT is one among few institutions to enjoy such a privilege in international higher education.
Details on these programs are available from the Admissions Office and the Provost's Office.

For more information about The Open University and its validation services, including the Student's guide to studying on a program validated by The Open University, please visit https://www.open.ac.uk/about/validation-partnerships

Institutional Memberships

The American College of Thessaloniki holds institutional membership in the following organizations:
1. Association of American Colleges of Greece (AACG)
2. Association of American International Colleges and Universities (AAICU)
3. The Institute of International Education (IIE)
4. American International Consortium of Academic Libraries (AMICAL)
5. Committee for the Support of Libraries (CSL)

ACT MISSION & VISION

OUR MISSION

ACT provides a high quality, tertiary level, multidisciplinary, skill-based and student-centered educational experience, in an innovative and flexible learning environment that is responsive to student needs and to a diverse and inclusive student body. Drawing on the principles of the American liberal arts educational philosophy and our Greek heritage, we foster depth and breadth of knowledge, grounded on theory, scholarly research, and intellectual freedom.

Our faculty members are passionate about teaching, value close relationships with our students and strive to instill in them the desire to pursue academic and professional excellence as well as personal enrichment.

Paramount to our mission is our institution's contribution to society while cultivating students' democratic and civic awareness, enhancing a sense of individual and social responsibility, and creating a spirit of esteem for others, social institutions, and the environment.

Coupled with graduate programs that sustain and develop our strong ties with industry and community partners, we offer relevant, flexible and engaging professional training opportunities provided by field experts which enhance the participants' skills-based life-long learning.

OUR VISION

ACT aspires to be an institution of choice for students seeking the highest levels of personal, intellectual, and professional attainment. We want to be known as a renowned international institution that contributes to a sustainable society and produces well-rounded, principled, and open-minded citizens of the world.

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UNDERGRADUATE DEGREE PROGRAMS

Fall 2023	
Study Abroad Housing Opens	September 12 (Tu)
New Student Orientation/Study Abroad Orientation/Registration	September 14-19 (Th-Tu)
Resit Exams for Spring I, Spring II and Summer Terms	September 18-19 (M-Tu)
First Day of Classes	September 20 (W)
Last Day for Course Changes	September 26 (Tu)
Fall Break	October 26-29 (Th-Su)
Last day to withdraw from a course	October 31 (Tu)
Polytechnic Day, no classes	November 17 (F)
Last day of classes	December 5 (Tu)
Reading day	December 6 (W)
Final Exams for all courses	December 7-15 (Th-F)
Study Abroad Housing Closes	December 17 (Su)

Spring I 2024	
Study Abroad Housing Opens	January 4 (Th)
New Student Orientation / Study Abroad Orientation / Registration	January 8-9 (M-Tu)
First Day of Classes	January 10 (W)
Last Day for Course Changes	January 16 (Tu)
OU Exam Board (tentative)	February 5-8 (M-Th)
Fall Re-sit Exams, No Classes	February 15-16 (Th-F)
Last day to withdraw from a course	February 20 (Tu)
Shrove Monday (Kathara Deftera), No Classes	March 18 (M)
Independence Day, No Classes	March 25 (M)
Last Day of Classes	March 26 (Tu)
Reading day	March 27 (W)
Final Exams for all courses	March 28-April 3 (Th-W)
Study Abroad Housing Closes	April 5 (F)

Spring II 2024	
Study Abroad Housing Opens	April 5 (F)
First Day of Classes	April 8 (M)
Last Day for Course Changes	April 11 (Th)
Last Day before Easter break	April 26 (F)
Classes resume	May 13 (M)
Last Day of Classes	June 7 (F)
Final Exams for all courses	June 10-11 (M-Tu)
Study Abroad Housing Closes	June 12 (W)

Summer 2024	
Study Abroad Housing Opens	June 13 (Th)
Study Abroad Orientation	June 14 (F)
First Day of Classes	June 17 (M)
Last Day for Course Changes	June 18 (Tu)
Commencement	June 19 (W) - tentative
Day of the Holy Ghost, No Classes	June 24 (M)
Last day to withdraw from a course	June 28 (F)
OU Exam Board (tentative)	July 1-4 (M-Th)
Last Day of Classes	July 15 (M)
Reading Day	July 16 (Tu)
Final Examinations	July 17 (W)
Study Abroad Housing Closes	July 20 (Sat)

GRADUATE PROGRAMS

Fall 2023	
Term 1 (& Term 5 for MS in I/O Psychology students only)	
First day of Classes	September 25 (M)
No Classes	October 23-27 (M-F)
Classes Resume	October 30 (M)
No Classes	November 13-17 (M-F)
Final Examinations	November 20-24 (M-F)
Quarter 2	
First day of Classes	November 27 (M)
Last day of Classes before Winter break	December 22 (F)
Classes Resume	January 8 (M)
No Classes	January 22-26 (M-F)
Final Examinations	January 29- February 2 (M-F)

Spring 2022	
Term 3	
First day of Classes	February 5 (M)
No Classes	March 18-20 (M-W)
Final Exams for Monday classes	March 21 (Th)
No Classes	March 22 (F)
Final Examinations for the remaining classes	March 26-29 (Tu-F)
Term 4	
First day of Classes	April 1 (M)
Last day before Easter Break	April 26 (F)
Classes Resume	May 13 (M)
No Classes	May 27-31 (M-F)
Final Examinations	June 3-7 (M-F)

ACT ADMINISTRATION

PROVOST
Dr. Stamos Karamouzis
Constantinidis Hall, Ground Floor, 2310-398221; stamos@act.edu

ACADEMICS

Associate Dean for Academic Affairs and Faculty, Dr. Sevasti Kessapidou,
Stavros S. Niarchos Technology Center, Office 21, 2310 398-387; skessapi@act.edu

ADMINISTRATION & STUDENT AFFAIRS

Associate Dean for Administration & Student Affairs, Dr. Grigoris Baglavas
Constantinidis Hall, Ground Floor, 2310-398382; antiv@act.edu

Registrar, Ms. Antigoni Vlachopoulou
Constantinidis Hall, First Floor, 2310-398217; antiv@act.edu

ENROLLMENT MANAGEMENT

Associate Dean for Enrollment Management, Mr. Emmanuel Maou
Bissell Library, First Floor, 2310 398 380; emaou@act.edu

Director of Admissions, Ms. Roula Lempetli
Bissell Library, First Floor, 2310 398 239; rleb@act.edu

Associate Director of Enrollment for North America, Ms. Angel Elvin
18 Tremont Str., Suite 784, 7th Floor Boston, MA 02108, (877) 524-7301 toll free (in US); abroad@act.edu

Enrollment Coordinator, Ms. Voula Dushku
Bissell Library, First Floor, 2310 398 238; vouladusk@act.edu

US Regional Admissions Counselor and Coordinator, Mr. Keshon Kindred
18 Tremont Street, Suite 704, Boston, MA 02108, 001 617-686-2623, keshon@act.edu

Enrollment Officer, Ms. Eva Deka
Bissell Library, First Floor, 2310 398 377; evadeka@act.edu

INTERNATIONAL PROGRAMS & STUDENT SERVICES

Director of International Programs & Student Services, Ms. Heather Funk Theodoridi
Stavros Constantinidis Hall, First Floor, 2310-398-215; heather@act.edu

Study Abroad Coordinator, Ms. Miranda Margariti
Stavros Constantinidis Hall, First Floor, 2310-398-205; mmargari@act.edu

International Programs and Student Services Coordinator, Mr. Theodore Maleas
Stavros Constantinidis Hall, First Floor, 2310-398-242; tmaleas@act.edu

ACT Students Studying in the US or Europe

ACT has signed a number of study abroad and exchange agreements with colleges and universities that enable students to spend a semester (or, in some cases, an academic year) studying abroad. Through these study abroad and exchange agreements, ACT students may spend a semester, usually in their second or third year of study, at a college in the US or Europe, and upon return to ACT receive full transfer credit for all courses successfully completed while abroad. Agreements with partner schools allow ACT students to enroll at collaborating institutions for a semester while continuing to pay ACT tuition and fees.

FINANCIAL POLICIES

Vice President for Finances & Human Resources/CFO
Mr. Pavlos Floros
Stephens Hall, First Floor
2310 398-214
Email: pfloros@act.eu

All issues relating to financial policies/administration are clearly defined in the ACT Student Handbook.
Following is a synopsis of the financial aid policy and the eligibility criteria applicable for interested students.

Scholarships at ACT

The very definition of the word 'scholarship' embodies what the college experience is all about – learning, knowledge acquired by study, and the academic achievements of a student. ACT recognizes top students for outstanding academic achievement and helps them build a better future.

ACT strives to be not only the first choice, but also an affordable choice for the education of youth from Greece, Southeast Europe, the US and beyond. To that end, the College awards financial aid to a substantial number of students in each entering class. Financial aid awards aim to make quality education affordable to students in need, particularly during these difficult times, and also reward a student's academic accomplishments and potential. The American College of Thessaloniki has developed a well-established program of financial aid to assist students in their quest for college education. This program ensures that no student should be deprived from attending ACT because of financial strains.

Our goal is to provide opportunities for academically talented students to achieve their aspirations through the pursuit of college education. At ACT, we foster an environment of recognition and equal opportunities that lead to academic excellence.

Financial Aid Scholarships at ACT

What is a financial aid scholarship?

The financial aid program grants awards to both local and international undergraduate and graduate students. Financial aid grants will be determined according to student or family financial need, as appropriate, and academic merit within College budget limitations. Financial aid is a percentage reduction in the ACT tuition fees.

How can I apply?

Candidates should submit the following documents to the Admissions Office:

- a letter explaining in detail the financial situation of the candidate's family, and his/her educational objectives;
- the complete tax statements of the people financially responsible for the candidate (parents/guardians) for the last two years, including the real estate tax statement;
- a personal CV;
- a completed ACT Financial Aid Application Form (online).

When should I apply?

Candidates who wish to be considered for a Financial Aid Scholarship must complete ACT's Financial Aid Application online in addition to their application for admission. The application must be submitted, complete with all supporting material, at the time of admission application. Due to the limitation of funds available, it is advisable to apply in time. A Financial Aid scholarship is normally renewed on an annual basis, pending availability of funds, and providing that the recipient:

- Maintains a good academic standing based on the award level received.
- Maintains a full-time status; except for graduating seniors in their last semester.
- Continues to demonstrate financial need

The financial aid committee consists of administrative and faculty staff members. The committee decides based on the credentials submitted by the applicants and the availability of funds. Notification regarding a financial aid scholarship is normally made within a month after the application.

Who is eligible for a financial aid scholarship?

Any candidate applying for admission to the school may apply for a financial aid scholarship. ACT does not discriminate on the basis of race, creed, color, sex, national origin, age or disability in the administration of its academic and admission policies, scholarship and financial assistance programs.

In order to be considered for the Institutional Financial Aid program, certain requirements must be met:

- Be enrolled or accepted for enrollment.
- Be degree-seeking.
- Demonstrate financial need through submitting the financial aid application.
-

An interview maybe required, either in person, for Greek residents, or via skype, for international applicants.

THE BISSELL LIBRARY

The Bissell Library of the American College of Thessaloniki (ACT) opened in the fall of 2002 and is one of the largest English language libraries in Greece and southeast Europe. The three-level, 4,500-square meter building houses the Bissell Library, plus the Stavros Niarchos Technology Center which is located in the basement. The Bissell Library offers a collection of over 30,000 books in print, over 230,000 electronic books, DVDs, and other media. The Library collection concentrates on business, English language and literature, international relations, politics, Balkan studies, computing, biology, hospitality and tourism, psychology and media studies. Additionally, there is a Study Skills Collection (designed to support students' learning, research, writing, presentation and English language skills), a Faculty Development Collection, a Wellbeing Collection, Librarians' Development Collection, and a wide selection of fiction in English. The Anatolia College Archives and Special Collections are also housed in the Bissell Library.

Library staff are available all hours the Library is open to assist with research and referencing (information literacy). For students studying remotely Library staff provide online support and scanned chapters sent by email. Students are encouraged to contact the Bissell Library with any questions, Library resource suggestions, and research support requests by phone (2310 398 390), via GoogleMeet online meetings by appointment or email at bissell@act.edu. For more information please visit the Bissell Library website at https://anatolia.libguides.com/bissell. The Anatolia Libraries (Bissell Library of ACT, the Eleftheriades Library of Anatolia College, the Anatolia Elementary School Library and the Pinewood Elementary School Library) share a Library catalog in which collections of all Libraries may be searched. All currently enrolled students are entitled to full use of the Anatolia Libraries holdings. A current ACT student or alumnus electronic identification card is required to use the collections.

Facilities and services provided:

- access to a wealth of academic content via the library website
- how to access our "Online Library" guide
- more than 10,300 full-text journals, magazines, and newspapers
- 45 research databases
- 24/7 access to the online library and library catalog both on- and off-campus
- a wi-fi enabled building including network ports
- 250 seating places and 24 computers
- Library lab for up to 24 students
- group study zone, group study rooms and quiet zone
- social zone with a revamped wellbeing creative corner
- a designated Academic Liaison Librarian for each division
- information literacy program
- subject specific research guides
- research support (drop-in or by appointment), including online
- self-service printing, photocopying and scanning
- 25 new laptops, chargers, adaptors and calculators for borrowing
- popular magazines
- regular art exhibitions
- filtered water fountain and coffee machine
- ebook and audio fiction collections and biography

The Learning Hub is located on the upper level of the Library. Students are invited to book a meeting online with a tutor and receive assistance with their writing, study, English language, science and digital skills needs. A wide variety of curated resources designed to support student learning are available at: www.act.edu/learninghub. The Admissions and Enrollment Department, the Tourism & Hospitality Coordinator, as well as the Career Services & Alumni Relations and the Entrepreneurship Hub offices are also located in the Bissell Library.
Follow us on Facebook (facebook.com/bisselllibrary) and Instagram (www.instagram.com/bissell_library/) to get the Bissell Library news and events.

UNDERGRADUATE DEGREE REQUIREMENTS

In order to successfully complete all requirements for graduation from the College, students must fulfill or have:

1. A minimum of forty courses, or at least 121 credit hours, including at least one laboratory session.
2. An 'Introduction to College Life' non-credit course (ACT 100) during the first year of studies.
3. General Education Requirements (GER): The courses listed below satisfy the GER, and in some cases, may be used to also satisfy requirements for certain majors.

(I) The Arts and Humanities

Group A (Communication):
English 101, 102, 203 /204
Group B (Philosophy):
Philosophy 101, 203/310
Group C (Literature & Fine Arts):
One course from: English 120, Art 120 or 121, Music 120

(II) The Sciences

Group A (Natural and Physical Sciences):
One course from: Biology 112, Chemistry 117, Ecology 110, Physics 120, Nutrition 130
Group B (Mathematics and Statistics):
One course from: Math 100, 101, 115, 120, Statistics 205/210
Group C (Computer Science):
One course from: Computer Science 101, 105, 107/108, 115

(III) The Social Sciences

Group A (Politics and Economics):
Economics 101, Politics 101
Group B (Anthropology, Psychology, Sociology):
One course from: Anthropology 101, Psychology 101, Sociology 101
Group C (History):
One course from: History 120 or Social Science 210

One course from: Category I (The Arts and Humanities), Category II (The Sciences), Category III (The Social Sciences).

4. All prescribed requirements in the students's declared major(s)-concentration(s)-minor(s), as these are specified under each program. Students are encouraged to consult the Student Handbook for more information on General Education Objectives.

5. An overall GPA of 2.0 (C) or better
6. After fulfilling all GEP/major/concentration requirements for their degree, students may use any residual courses up to the minimum graduation requirement of 40 courses in order to complete a second concentration, a minor, or even a double major. Students must fulfill all prescribed work in their declared major(s) – concentration (s) – minor(s), but may use a common course required in more than one major or minor to satisfy the requirements of both programs, unless otherwise specified.
7. Minimum Residency Requirement: Students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least the last two semesters of full-time instruction, assuming availability and equivalency of transferable courses.
8. Starting with Fall 2013, all entering students complete a single course of studies leading simultaneously to a dual degree: an American degree and a European degree (validated Honors Diploma) awarded by the British Open University: All of ACT's undergraduate degree programs - BSc (Hons) Biological Sciences, BSc (Hons) Business Administration, BSc (Hons) Business Computing, BSc (Hons) Computer Science, BA (Hons) English, BSc (Hons) in Psychology and BA (Hons) Political Science and International Relations - are currently validated by The Open University.

A student must meet a common set of degree requirements for the dual degree. All ACT degree requirements must be met in order to confer an Open University validated degree. Details on course offerings and program requirements can be found under each Division.

Students are subject to all ACT academic policies and regulations and in addition are subject to the Open University regulations for the validated program of studies. The ACT Student Handbook includes all applicable policies and regulations.

ACADEMIC DIVISIONS & AREAS

DIVISION of BUSINESS STUDIES

Dr. Nikolaos L. Hourvouliades, Professor of Finance, Chair of the ACT Business School
BA Economics, Aristotle University of Thessaloniki; MBA Yale School of Management, Yale University; PhD in Financial Derivatives, Aristotle University of Thessaloniki
Tel.: +30-2310-398385
Email: hourvoul@act.edu

Mr. Anastasiou Anestis, Assistant Professor,
Coordinator, Tourism & Hospitality
BEng Mechanical Engineering, University College of London; MSc Energy Management, City University; MSc International Management, Kings College; Pg Dip Higher Education Teaching, University of Abertray Dundee; MA Politics & Economics, University of Macedonia
Tel: +30-2310-398389
Email: anestis@act.edu

Academic staff

Mr. Anastasiades Georgios, Adjunct Instructor
BSc Economics & Econometrics, Essex University; MPhil International Macroeconomics, Essex University

Mr. Anthoulidis Yiannis, Adjunct Instructor
BA in Tourism Management, ATEI Thessaloniki, Greece; MBA, University of Macedonia, Greece

Mr. Antoniou Konstantinos, Adjunct Instructor
BA Economics, Essex University; MSc International Banking & Finance, University of Wales

Mr. Fassas George, Adjunct Instructor
BA Business Administration-University of Macedonia, Greece; MBA-NYU Stern School of Business, U.S.A.

Ms. Gantina Evita, Adjunct Instructor
Diploma in Business Administration, SBALA; BS Business Management, University of Houston Clear Lake; MA Business Communication & Public Relations, European University Montreux

Dr. Gkimperiti Athanasia, Adjunct Professor
BSc Social Policy & Anthropology, Panteion University; MSc Health Management, City University London; PhD e-Health, University of Macedonia

Dr Hatjidis Dimitrios,
BSc Marketing North College; MBA, Southern New Hampshire University; PHd, Grenoble Ecole de Management

Ms. Kapnidou Anatoli, Adjunct Instructor
Bachelor in Tourism & Hospitality Management, Alexander Technological Education Institute of Thessaloniki, Thessaloniki, Executive MBA - Marketing, University of Macedonia, Thessaloniki, Master Certificate in Revenue Management, Cornell University, School of Hotel Administration, USA

Dr. Kessapidou Sevasti, Professor
BA English Language & Literature, Aristotle University of Thessaloniki; MA English, Kent State University; PhD English, Kent State University

Dr. Klimis Kostas, Adjunct Professor
BSc Business Administration, Aristotle University of Thessaloniki; MSc Financial & Managerial Controls, University of Southampton; PhD Bank Marketing, University of Macedonia

Dr. Koulikidou Kleopatra. Adjunct Professor
BSc Economics, University of Macedonia; MSc in Banking & Finance, IHU; PhD Finance & Accounting, IHU

Mr. Kouris Spyros, Adjunct Instructor
PgDip Tourism Management, Northumbria University; MSc International Hospitality Management, Strathclyde University

Dr. Krassas Ioannis, Assistant Professor
BSc Mathematics, University of Crete; MSc Financial Economics, University of Cardiff; PhD Finance, University of Exeter

Ms. Lamprianidou Ourania, Adjunct Instructor
BSc. Political Sciences, Aristotle University of Thessaloniki, Greece; Postgraduate Diploma in Hospitality Management, Glion Institute of Higher Education

Dr. Monastiridis Prodromos, Adjunct Professor
BA in Marketing - Technological Education Institute of Thessaloniki, Greece; MA in Marketing - Business School, University of Sunderland, UK; M. Phil - University of Sunderland, UK; PhD, Department of Journalism & Mass Communications, Aristotle University of Thessaloniki, Greece

Dr. Moutsianas Konstantinos, Adjunct Professor
BSc in Economics, Aristotle University of Thessaloniki, Greece; MSc in MIS, Aristotle University of Thessaloniki, Greece; MSc in Banking & Finance, International Hellenic University, Greece; Postgraduate Certificate in Higher Education, Coventry University, UK; PhD in Finance, Aristotle University of Thessaloniki, Greece

Mr. Papageorgiou Angelos, Adjunct Instructor
BA in Business Administration -Aristotle University of Thessaloniki Greece; MSc in Management - New Jersey Institute of Technology, USA

Ms. Papamavroudi Foteini, Adjunct Instructor
BA Accounting & Financial Management, Essex University; MA International Management & Finance, Bradford University

Mr. Papanestoros Theodore, Adjunct Instructor
BS Marketing, Deree College; MA Marketing, Middlesex University

Mr. Pengas Spyros, Adjunct Instructor
MA in International Relations, Contemporary and American History, Ludwig-Maximillian University, Germany

Ms. Semertzian Rania, Adjunct Instructor
BA English and French, Berea College Kentucky; MA Patterson School of Diplomacy and International Commerce, University of Kentucky, USA

Ms. Tavanidou Ioanna, Adjunct Instructor
BA Economics, Aristotle University of Thessaloniki; MSc International Banking & Finance, Southampton University

Goals and Objectives

ACT's programs in business are designed to lead to U.S.-accredited and EU-validated BS and graduate degrees, as well as to offer a forum for communicating new insights into management and marketing research and applications among the academic, business and entrepreneurial communities of Greece & Southeast Europe. The business education envisioned by ACT is unique for its comprehensive view of management and explicit focus on fostering entrepreneurial approaches to management in the region. Graduates will have acquired an appreciation of the interactions among all elements of an organization and be ideally equipped to lead entrepreneurial activity throughout Southeast Europe over the next decades. The foremost goal of the business curriculum is to develop and strengthen students' coherent and logical thinking processes in order to make and implement sound, ethically responsible business decisions throughout their careers.

Our Vision

Graduate Program: To provide quality education to a diverse graduate student body who will be immediately effective in cutting edge business organizations.
Undergraduate Program: To provide the highest quality business education to a diverse student body, which reflects the realities of the business world.

Our Mission

Graduate Program: Our graduate programs prepare our students to be decision-makers, leaders, and entrepreneurs, ready for a broad spectrum of managerial responsibilities and/or for success as higher level professional specialists.
We affirm our commitment to intellectual contributions that enhance our teaching, particularly to applied scholarship and instructional development. We employ our professional skills in service to the College, scholarly and professional organizations, the business community, and the regional community.

Undergraduate Program: Our undergraduate programs prepare our students for successful careers and life-long learning in a rapidly changing world. We guide our students in the development of their intellectual experience.

Our Stakeholders

We recognize the following stakeholders as significant partners in our success:

- Current and potential students
- Employers
- The business and professional community
- Our alumni
- The academic community
- Anatolia College
- Greek public policy makers and non-profit and community organizations

Our Educational Philosophy

To prepare our students for the roles we have described we must assure their mastery of:
Thinking Skills: logical, critical and integrated analysis, the capacity to exercise good judgment; creative and non-traditional problem solving; and proficiency in ethical reasoning.
Discipline-Specific Knowledge and Competencies: e.g., information technology and quantitative skills appropriate to problem solving in real work settings.
Communications Skills: proficiency in oral, written, presentation, and distance communication.
Change Management: understanding and shaping the forces of change, including globalization, and using this understanding to formulate, evaluate, and select from alternative strategies to achieve sustainable competitive advantage for themselves and for their companies and organizations.
Self-Development: the capacity to engage in the effective self-management of lifelong learning to achieve continuous professional and personal growth.

Our Core Strategies

To realize our vision, to implement our mission and to act according to our educational philosophy we must:
• Creatively intervene in the student recruitment, selection and advising process
• Forge numerous collaborations and affiliations with leading educational institutions and organizations
• Promote mutually beneficial partnerships and strategic alliances with our stakeholders
• Review, reconsider and implement faculty staffing and development strategies
• Continuously develop and enhance our curriculum

Indicative List of Strategic Alliances

• Tippie School of Business, University of Iowa
• California State University Fresno
• Ohio University
• University of Michigan
• World Bank
• Greek Institute of Banking
• Karamanlis Institute
• American-Hellenic Chamber of Commerce
• Koc University
• American University in Bulgaria

Experiential Learning

Tell me and I will forget
Show me and I might remember,
Involve me and I will understand,

Following this rubric, business students are given multiple opportunities to be involved through: company visits, internship opportunities, participation in student clubs and participation in the prestigious John Pappajohn Annual Business Plan Competition which offers both graduate and undergraduate students the opportunity to test their entrepreneurial skills and earn project seed money of up to $ 5,000 doing so.

THE ENTREPRENEURSHIP HUB

The Entrepreneurship Hub aims to bridge existing gaps in the entrepreneurial ecosystem and leverage on existing structures. Entrepreneurship is a team sport and the Entrepreneurship Hub acts as the glue to bring ecosystem stakeholders together and provide with a sturdy springboard for entrepreneurial activity to launch.

During 2014, more than 400 individuals have reached out to the Entrepreneurship Hub giving us the opportunity to interact with them and the entrepreneurial community for more than 6 hours each on average (seminars, training, evaluation etc).

The Entrepreneurship Hub has attracted prominent business figures to strengthen its network. In its first year of operation more than 30 invited speakers and a network of 10 mentors have supported its activities. We have also launched supporting legal and accounting services with Deloitte to facilitate participant teams with their important initial decisions and steps.

GRADUATE BUSINESS PROGRAMS

The graduate business programs offered by ACT include comprehensive Full Time / Part Time graduate programs.

MBA Program

Participants in ACT's MBA program may choose one of more of the following program concentrations:
- Banking & Finance
- Entrepreneurship
- Management
- Marketing in the Digital Era (Digital Marketing)

These concentrations share certain core skill-based and knowledge-based goals essential to managerial effectiveness. The MBA program is designed to provide students with a comprehensive understanding of contemporary organizational theories and practices and to provide students with enhanced capabilities in analytical problem solving, decision-making, communication, critical thinking, and leadership skills.

Regardless of concentration, the program consists of sixteen courses (48 credits) taken in four (4) 6-week sessions (3 class meetings per month) and a final exam.

In Session 1 students are introduced to and begin to develop skills in intellectual inquiry through courses in Communications, Managerial Accounting and Applied Business Statistics, and Management Information Systems.

In Session 2 students continue defining the managerial process through courses in Marketing, Organizational Behavior, Operations Management and Strategic Management.

In Session 3 students formulate answers to the managerial questions through courses in International Business, Organizational Leadership, Managerial Economics and Corporate Finance.

In Session 4 students specialize in their chosen track by taking 3 courses in their specialization and select topics for the Capstone MBA course which is an integrative case study that combines all components of the MBA curriculum.

Classes are held on weekday evenings and/or Saturday morning.

MBA PROGRAM OF STUDY

Quarter One	MBA-ACC 501: Managerial Accounting MBA-STAT 505: Applied Statistics for Business Decisions MBA-COM 515: Leadership Communication Skills MBA-BUS 570: International Business
Quarter Two	MBA-MNGT 525: Operations Management MBA-MKTG 530: Marketing Management MBA-MIS 550: Management Information Systems MBA-BUS 580: Strategic Management
Quarter Three	MBA-MNGT 521: Organizational Leadership & Change MBA-ECON 510: Managerial Economics MBA-FIN 540: Corporate Finance MBA-MNGT 520: Organizational Behavior
Quarter Four	Digital Marketing concentration Management concentration Entrepreneurship concentration Banking & Finance concentration + 2 concentration electives
Closure Requirement	MBA-BUS 599: Integrated Case Study

MS IN TOURISM AND HOSPITALITY

Tourism studies at ACT.
An education that takes you places.

We see tourism as the future; an ever-booming business that never seems to fade, whatever the circumstances. People will always have the need to travel and move places, pursue their happiness, advance their career, and enjoy an exciting new experience. For Greece, tourism is part of our culture and the greatest industry in the country. Hospitality is in our DNA. Businesses revolve around it and professionals strive to become a part of it and gain from its winning trajectory.

ACT is now the first to offer a fully integrated solution in hospitality and tourism studies that will help both high school graduates enter the field and expand their knowledge, but also post-graduate students and business professionals to hone their skills and advance their career.

The newest Master program in Hospitality and Tourism Management at ACT is the perfect opportunity to gain international expertise and get right into (the) business.

Our Mission

- To develop the right kind of skills and values in order to perform efficiently in the hospitality and tourism industry
- To provide learning, network and practicum opportunities to the students
- To impart to the students the latest knowledge from the field of hotel and tourism management

Our Objectives

- Contribute in the further development of professionals who work in the greater industry sector
- Provide a stimulating study environment
- Offer continuing professional development to participating students
- Closely monitor industry developments and changes and cover new needs and demands
- Motivate participants to explore their career opportunities in the industry
- Create new recruits who will contribute in hospitality and tourism firms
- Teach participants a critical approach to the operational processes within the industry
- Develop solid theoretical and professional skills

Why choose the MS in Hospitality and Tourism Management at ACT?

Remain competitive within the tourism and hospitality industry.
Enter the field for the first time as a trained professional.

You may be striving for pure personal growth, or you may want to start your own business.

You may be pursuing a top management position, or you may already be there – without the advanced business training the position demands.

What we offer

A highly flexible Master's program that is tailored to your needs:

- A Master's program you can complete in 1 year, with only 3 quarters of studies at ACT.
- Classes held twice a week in the afternoon, to accommodate working professionals and those living outside of Thessaloniki.
- Thesis can be included within the time frame of the program.

Guaranteed internship placement for all:

- ACT has developed strategic partnerships in order to provide all MS in Hospitality and Tourism Management students with an internship during their final semester, stretching from May to September
- Strong industry synergies with hotels, associations, agents, etc.
- Expected collaborations and exchange programs with famous US colleges.

Program duration

The duration of the whole program could vary from:

- A 12-month period, for those attending on a full-time basis, or
- A 24-month period, for those selecting a part-time basis

Program description

In Session 1 students are introduced to the basic business ideas and are urged to develop their general quantitative and qualitative skills.

In Session 2 students continue their business education with further education in Tourism, Hospitality and Business courses.

In Session 3 students focus in the advanced courses in Tourism and Hospitality or finance and management, depending on the schedule they have followed or their FT or PT status.

In the final stage of their program, students undertake their Internship course in order to engage in real-life conditions and enhance their knowledge. In the end of the MS program there is their integrated case study Applied Project course (thesis) that combines all components of the MS curriculum.

The program consists of nine courses (36 credits) taken in three (3) 7-week sessions.

For further information about graduate applications:

Enrolment Management Office
Bissell Library, First Floor
2310-398398
Email: admissions@act.edu

MS Tourism and Hospitality Program of Study

Quarter 1:	MS 585: Tourism e-business MS 562: Events management
Quarter 2:	MBA BUS 580: Strategic Management MBA MNGT 525: Operations Management MS 545: Hospitality Management
Quarter 3: (any 3 electives)	MS 548: Revenue Management MBA FIN 540: Corporate Finance **Electives (varying each year)** MS 532: Marketing for Tourism MS 535: HR in Hotel & Tourism MS 565: Destination Management MS 585: Tourism e-business
Quarter 4:	MS 595: Internship MS 598: Applied Project

GRADUATE COURSES

MBA-ACC 501: Managerial Accounting
This course introduces the use and analysis of accounting data so that managers may better conduct planning, controlling, and decision-making. In the first part, students will be exposed to the nature of costs, as well as to cost analysis for decision- making. The second part of the course relates to accounting for control, and is intended to deepen knowledge of processes, including budgetary control, divisional performance appraisal, profit centers, transfer prices, management planning and control systems. Lastly, students will gain an understanding of technical information and learn how to apply this information within several organizational contexts. **Required**

MBA-STAT 505: Applied Statistics for Business Decisions
This course introduces statistical techniques used in business decision-making and focuses on enhancing students' ability to select the appropriate statistical method to draw informative conclusions successfully. Topics covered include: analytic and graphical representation of data, descriptive statistics, estimation for means and proportions, hypothesis testing for decision-making, control charts, linear and multiple regression, and an overview of time series methods. Statistical software is employed for all projects. **Required**

MBA-ECON 510: Managerial Economics
This course applies economic theory and statistics to managerial decision-making in a micro- and macro-economic environment. Topics covered include capital budgeting, cost and demand analysis, forecasting, pricing, the competitive environment, investment appraisal, labor market issues, and government regulation. **Required**

MBA-COM 515: Leadership Communication Skills
This course builds upon principles of effective written and oral business communication. The course develops the framework for intercultural communication and analyzes concepts of managerial communication necessary for corporate leadership. Topics include: communication strategies, writing business letters and memos, as well as managerial reports, syntax, diction, editing, format and delivery as these apply to both written and oral business communication. **Required**

MBA-MNGT 520: Organizational Behavior
This course is designed to improve both interpersonal and conceptual skills. Among the issues considered: Why do people behave as they do at work? How can individuals, groups, and organizations work together effectively while facing changes, restructurings, downsizings, and global competition? What can managers do to motivate employees toward greater productivity? Topics covered include the context of organizational behavior, organizational culture, communication, motivation, leadership, empowerment and participation, attitudes, job satisfaction, conflicts, interpersonal behavior and dynamics, teambuilding, change, job stress, power, and politics. **Required**

MBA-MNGT 521: Organizational Leadership and Change
This course examines leadership and its role in the change process. Students learn how to catalyze action by creating a vision and building momentum for change. In the process, they learn more about themselves as leaders. **Required**

MBA-MNGT 525: Operations Management
This course introduces the modeling tools used to manage the complex 21st century business environment. It includes examination of decision analysis, probabilistic models, simulation techniques, regression-based inference and mathematical programming. **Required**

MBA-BUS 528: Essentials of Working Capital
This course provides a comprehensive introduction to working capital. Emphasis is given to the perspective that there is a limited access to credit and short term funding, so efficient working capital management is essential for freeing up funds and optimizing liquidity. The course covers the latest trends concerning working capital, including cash management, bank relations, accounts receivable, inventory, accounts payable and foreign exchange. In addition, the course explores the gathering and management of information and forecast data to effectively use funds and identify risk. **Elective**

MBA-MKTG 530: Marketing Management
This course introduces students to marketing strategy and management and provides a rigorous analytical framework for developing, pricing, distributing and promoting products and services. Emphasis is placed on developing the approaches and skills necessary to assess marketing opportunities by analyzing customers, competitors and the company ("3 Cs") and to design effective marketing programs by choosing and applying appropriate strategies for pricing, promotion, place and product ("4 Ps"). The course explains marketing's role and its linkages with other functions and the firm's strategy, and introduces and argues the need for a market orientation in company planning and thinking. The focus is on identifying, analyzing and solving marketing problems, and students are provided with opportunities to present and defend their own marketing analyses and recommendations. Lectures, cases and classroom discussion are used to develop themes and issues. **Required**

MBA-MKTG 531: New Product Development
The course focuses on the strategic management of new products and the new product development process. It aims to provide a thorough understanding of the steps involved in bringing a new product (or service) successfully from idea to launch; to develop the concepts, issues and decisions involved in new product development; and to examine techniques and analytical models designed to assess new product readiness. The course lays out the Stage-Gate™ process for managing the development of new products and outlines the process ingredients that are critical in improving the probability of success in new product development. Techniques for managing a firm's new product portfolio and for developing a firm's new product strategy are addressed along with ideation techniques and market research methods used to incorporate the perspective of the relevant consumer in product definition, design and positioning. Models available to analyze/evaluate opportunities and the innovation diffusion process are explored and utilized in case applications.
Teaching includes lectures, class discussions, and case analyses. The overall focus is on applied, practical decision-making and the skills and tools involved. This decision orientation is challenging and can be time-intensive. Students are required to work in teams to create an idea for a product or service that is worthy as a new business venture, in the process implementing the new product development process as taught in the course. **Elective**

MBA-MKTG 536: Global Marketing
This course recognizes the cultural differences and related implications for marketing strategy and tactics. An understanding is developed of the pros and cons of international trade, learning how to assess and target countries/markets, understanding the intricacies of organizing and managing cross-cultural teams in a global market, as well as developing strategy and marketing plans to enter country markets. In addition, contemporary trends in sustainable marketing business practices are examined and critically evaluated. **Elective**

MBA-MKTG 539: Market Research
Marketing managers depend on the availability of timely and accurate market information to reduce risk in decision-making. This course explores the methods and techniques of securing information essential to the efficient solution of marketing problems. This course includes topics such as qualitative and quantitative market research techniques, electronic and traditional formats, sampling and data collection procedure, demand forecasting, product search and test marketing. **Elective**

MBA-MKTG 540: Branding in the New Digital Era
Today you can build powerful, enduring brands by integrating classic brand positioning concepts with 21st century digital strategies, tools, and practices. The course will present new ways to uncover, communicate, and evolve brand position, embed branding in organizational culture, and collaborate with brand community. In addition, the concept of Marketing 2.0 will also be explored. **Elective**

MBA-MKTG 541: Strategic Brand Management
Branding is a hot topic. Companies, countries, and even individuals are concerned about their "brand". They all need to understand the financial value of their brand and its products; manage brands strategically; and deliver implementations to customers that are relevant, differentiated and powerful to build an emotional bond and loyalty. The course focuses primarily on three topics: brand strategy and valuation; visual identity and experiential branding; and organizational branding issues. Students will learn to combine analytical and strategic thinking with the creative development of ideas and their implementation; they will be exposed to branding case studies, successful and some not so much — and some unsuccessful — so they learn what to do and not to do in their own job. Students will learn about frameworks and concepts and be equipped with methodologies and tools to manage a branding project. **Elective**

MBA-FIN 540: Corporate Finance
This course provides an introduction to the interpretation of financial information. It adopts the decision-maker's perspective, emphasizing the interplay between publicly available accounting data and proprietary information on underlying economic values. Topics include valuations, capital restructuring, asymmetric information and incentive problems, bankruptcy, and elements of risk management. **Required**

MBA-FIN 541: Banking: Theory and Practice
The major focus of this course is in providing students with an understanding of the operating and regulatory environments of the banking industry. Topics include the financial statements of banks, measuring and evaluating the performance of banks, asset-liability management techniques, investment banking and real-world management actions of banking managers. **Banking & Finance concentration requirement**

MBA-FIN 542: Portfolio Analysis and Management
This course covers the elements of an "ideal" investment, the examination and testing of specific investment securities, and alternative approaches to the management of stock and fixed-income security portfolios. Topics include efficient capital markets, stock market analysis, derivative security analysis, swap contracts, convertible securities and professional asset management. Problems and cases are assigned for analysis. **Elective**

MBA-FIN 545: Financing New Ventures
This course introduces the financing tools available to the entrepreneur, with particular focus on the venture capital structure and the valuation of a new venture. Focus is placed on the financial sources, strategies, and mechanisms that are used from pre-start, through the early growth stage to the harvest of a business venture. **Elective**

MBA-FIN 546: Financial Markets and Instruments
The course overviews the main asset classes, their principal characteristics and analytical techniques, examines the main considerations for investors, and looks in some detail at the main asset classes, excepting property. Students will examine each of the securities markets, the instruments available in these markets, and put the different investments into perspective. An important part of this module is to introduce students to the characteristics of the major investors and to the terminology used in the securities markets. The course will also cover derivative products. As made clear by the current financial crisis, a good understanding of derivatives (such as futures, swaps, and options) is indispensable for all practitioners, from investment managers to corporate financiers. The course provides students with the necessary knowledge on how to use and not to use the models for derivatives. **Elective**

MBA-MIS 550: Management Information Systems
The aim of this course is to provide students with the appropriate knowledge to understand and appreciate the role of information systems in the management of the modern business organization. It provides an understanding of the information and communication technology revolution and its implications. The course continues with an overview of the various types of Information Systems and the information needs of the modern manager. The course concludes with an investigation of the risks of information systems and methods of dealing with these. **Required**

MBA-BUS 555: Small Business Management
This course examines critical small business issues as well as effective marketing, management and financial strategies small businesses can use to compete effectively in a fast-paced market. With respect to the internal environment, there is a focus on operational processes, information technology processes, communication processes and promotion, customer relationship management, total product offering, evaluating prospects and employee selection processes. External environment issues include financial and legal topics critical for small business such as cash flows, risk management, small business insurance, firm's valuations and forms of ownership. Real-world cases covering the growth stage strategies of a business life cycle with entrepreneurial emphasis are considered. **Management concentration requirement**

MBA-BUS 560: Entrepreneurship
The principal goal of this course is to present concrete management practices that have proved valuable for creating new businesses and successfully generating innovation and change within existing organizations. The focus is on hands-on experience at every level in starting new businesses, both within and outside of existing corporations. Topics covered include the launching of a new venture and its development, managing and financing a new venture, and creation of a detailed business plan. **Entrepreneurship concentration requirement**

MBA-BUS 562: Creative Thinking
This course is about productive thinking, and is designed to assist students in developing critical and creative thinking skills, which are essential ingredients to enhance their innovation and decision-making skills. These skills include the ability to make well-reasoned decisions, solve problems skillfully, and make carefully thought-out judgments about the worth, accuracy, and value of information, ideas, claims and proposals. Students will apply various modes of thinking to address critical business issues and workplace applications. **Elective**

MBA-BUS 570: International Business
This course analyzes the major forces that affect the operations of firms across national boundaries. It undertakes an indepth look at the international political, cultural, and economic forces affecting multinational enterprises' market entry strategy, marketing, financial, production and human resource functions. It examines the conditions needed to create and maintain an international competitive advantage in an increasingly globalized and interactive market environment. **Required**

MBA-BUS 580: Strategic Management
This course develops a framework for assessing the current strategic competitive position as well as future performance outlook for a business entity within a given economic environment. Focus on developing skills for the application of concepts and tools for strategy formulation at corporate levels, and on the design of organization structures and management processes required for effective strategy implementation. Case applications involve strategic issues facing the modern manager of a business enterprise impacted by globalization, and information and technology. **Required**

MBA-BUS 581: Strategic Management of Technology
The aim of this course is to help students develop a strong conceptual foundation for managing technological innovation. It introduces concepts and frameworks for analyzing how firms can create, commercialize and capture value from technology-based products and services. The concepts and analytical frameworks are useful and relevant so as to deal with rapid changes in the technological environment, intellectual property, organizational knowledge, and knowledge professionals. This is not a course on Information Technology although some of our examples come from the IT industry. Topics covered include (1) technological change and how it affects competition between new and existing firms, (2) strategies for firms competing in high-technology industries, (3) how to create and manage an innovative organization and (4) entrepreneurship and venture capital. **Elective**

MBA-BUS 582: Innovation Management
This course aims to explore the contemporary developments and various perspectives on the issue of Management of Innovation. Emphasis will be placed on its linkage with organizational effectiveness and the process of achieving business and strategic goals. In particular, the course will: a) focus on the need for strategic direction for innovation and how this is planned, b) explore the ways of designing and redesigning organizations so that they can potentially acquire competitive advantage through innovation in the context of rapidly-changing environment; c) analyze how organizational design can impact employees in terms of tasks, jobs, training and creativity; d) to assess the effectiveness of organizational design on the innovation outcome, and e) demonstrate how an organization's culture can be designed to stimulate creativity and innovation. **Elective**

MBA-BUS 583: Globalization and Corporate Strategies
The focus of the course is on globalization, its meaning and main trends. Emphasis is given on the political economy of the main players in the global economic arena in the context of the global financial crisis and global economic interdependence. Topics include: the special role of emerging markets in shaping the future outlook of the global economy, the rise of the global middle class, urbanization in emerging markets, new technologies and other key factors shaping the future outlook of the global economy. The course provides implications and scenarios for corporate strategies and how they need to adjust to the challenges. **Elective**

MBA-BUS 584: Greece and South Eastern Europe: Economics, finance and business opportunities
The course explores the transition process, the main characteristics of South Eastern European economies and their financial sectors. Countries reviewed include: Albania, Bulgaria, Croatia, FYR-Macedonia, Romania, Serbia and Turkey and their progress towards European integration. Emphasis is given on the characteristics of the Greek economy and key economic sectors, their evolution over time and future prospects in the context of the current European crisis. Topics include: regional economic interdependence and prospects for further regional integration, the business environment and corporate opportunities. **Elective**

MBA-BUS 586:The political economy of the European Union and corporate challenges
The course reviews the process of European economic integration, the evolution of European institutions and the acquis communautaire. A comparative analysis of the varieties of market economy models in Europe and their implications for economic integration is also provided. Emphasis is given on the place of Europe in the global economic arena and the European context of the global financial crisis, the future economic and political challenges faced by the European Union, and corporate opportunities/threats in the evolving European economic zone. **Elective**

MBA-BUS 585: Global Business Management
The course is about managing a business. It entails the running of a simulated company in a competitive environment and the course strengthens the participant's decision making skills in the areas of finance, marketing, operations, and strategic planning. The student will develop and guide their own simulated business through twenty-five years of operation. Students will have the opportunity to develop corporate policy and strategy, put theory they've learned in their other MBA courses into practice, and gain a clearer understanding of the impact that functional decisions have on financial and nonfinancial performance. **Elective**

BUS-MAN 498: Applied Business issues
This course integrates functional knowledge and general management principles acquired in previous courses with new concepts and operational principles applicable to business entities seeking to establish strategic outcomes to enhance their competitive advantage in a changing global environment. Students make tactical decisions in areas such as product pricing and development, process designs, cash management, hiring and training, market selection and promotion, customer and supplier relations. **Elective**

BUS-MAN 433: Conflict Management and Resolution
This course analyzes and seeks to enlarge student's understandings of the nature and dynamics of conflict in various environments and contexts, and the ways in which organizations may resolve conflict-related issues. Topics covered include power and conflict, culture and conflict, impasse and communication, negotiation and advocacy techniques, mediation and arbitration and strategic dispute management. **Elective**

MBA-MKTG 542: Consumer Behavior
The marketing discipline and marketing activity is or at least should be customer centric and that means consumer centric. The marketing process and theory start with the consumer and end with the consumer, from identifying needs all the way to post purchase satisfaction and loyalty. Students are expected to understand the factors involved in consumer behavior, including the use of digital media, as well as the process of consumer choices and behaviors in the current social environment. The usefulness of this understanding in terms of marketing application, consumer choice optimization and its implications on society are to be explored. **Marketing concentration & Digital Marketing concentration requirement**

MBA-MKTG 543: Digital Marketing Strategy
Given the digitalization of communication in today's era, the course will provide an in-depth analysis of all digital media, such as social media, web display, affiliation, mobile marketing, email marketing, Search Engine Marketing, and digital TV. The fundamentals of digital marketing communications as well as the differences between digital and conventional marketing communications will also be presented. The use of these new technological capabilities is applied in developing and implementing marketing strategy in an integrated way. **Elective**

MBA-MKTG 544: Branding Communications & Digital Analytics
This course explores content strategy and its alignment with the company's digital marketing strategy and broader communications strategy. The course teaches you how to create compelling content that can drive business results; discusses the tools that can be used to promote and differentiate a brand, retain customers and influence word of mouth. The course also explores the alternative "communities" and digital channels that can be used to engage customers and prospects and distribute content, aligning and integrating the message across content types and social media channels to shape a consistent voice for the brand. As Marketing ROI has always been a major focus for marketers to measure their marketing activities' effectiveness and efficiency, the course takes an extra step in measuring brand performance given the large number of digital media through which brands are developed and communicated. On-line reputation management, sentiment analysis, social media analytics, email marketing evaluation, web analytics, Search Engine marketing, e-CRM, are some of the areas that this course covers. **Elective**

MBA-BUS 599: Integrated Case Study
This capstone course is designed to provide MBA students nearing the end of their program with an opportunity to integrate and apply the knowledge and skills developed in the program in a real-world environment. Students must undertake a work- related problem, project or thesis and successfully demonstrate an ability to apply theory to practice by utilizing appropriate business tools and theories in realistic and appropriate ways. **Required**

MS 532: Marketing for Tourism
Marketing plays a catalytic role in international tourism. Customers are offered today an enormous selection of choices worldwide, while tourism professionals try to distinguish themselves from competition. This course will initially offer general marketing education and then focus on industry-specific applications of marketing. Topics to be covered include the characteristics of a service, their marketing implications, an overview of mix components – product, price, promotion, place, people -, the independence and interdependence of elements, definitions of market segmentation, marketing for hotels and resorts, the product life cycle, the scope, process and role of market research, and secondary information, sources, range and importance. Professional expertise will be brought into class together with case studies of marketing practices.

MS 535: HR in Hotel & Tourism
Management of Human Resources is probably one of the single most important issues in everyday tourism operations. Tourism is a service industry and it is heavily dependent upon human labor and the quality and quantity of it greatly influence the final result. This course initially introduces the participants into HR management meaning and definition, as well as its significance, functions and objectives. Emphasis is given on ethical issues, human resource development, the scope and range of an HR manager, performance appraisal methods and purpose, the strategic HR management and environment, management development and techniques, motivation in the hospitality industry, communication and e-communication, and leadership. In addition, participants will be given insights of modern developments in HRM, known as e-HRM, including e-HR planning, e-recruitment, e-selection, e-performance management, e-training and development, e-information and audit.

MS 545: Hospitality Management
Hospitality is a concept deeply rooted into the Greek mentality. Intuitive hospitality is offered by all tourism professionals and the country is renowned for this quality. Nevertheless, contemporary developments and cultural trends make it necessary for professionals to be educated according to today's needs. This course covers a wide range of topics that include advance hospitality management theory, impact of socio-economics and technology on hospitality, the future trends, laws relating to business ownership, current practices, legislation and ethics in hospitality practices, operations of revenue, logistics in accommodation for guests, guest handling, and various segments such room, concierge, food and beverage, pools, casinos, beach-bars and restaurants.

MS 548: Revenue Management
With a fixed capacity, a highly disposable product and high fixed costs, hotels are a natural candidate for the application of revenue management. With modern-day rising acquisition costs and distribution complexities, revenue management techniques have increasingly been adopted by both small and large hotel companies, making a comprehensive understanding of segmentation, forecasting and pricing an essential requirement for today's hospitality professionals. The purpose of this course is to provide a core understanding of the fundamentals of revenue management, which ties into the larger picture of revenue strategy. The course is structured to provide an insightful look into Revenue Management and will cover all the need- to-know topics, including: Hotel Distribution; How to manage OTA's; How to perform market segmentation; Strategies for forecasting and budgeting advantage; Optimization of your pricing policy; Introduction to Yield & Revenue Management.

MS 562: Events management
This course will provide industry-specific knowledge of events planning and running. It will offer a comprehensive overview of events management, covering all types of event destinations, venues and operations. Specific attention is paid to the analysis, management and monitoring of the economic and tourism benefits of the events sector. Topics that will be covered include event management, planning, operations, logistics, quality management, coordination of HR, financial management and marketing of events, communications, and evaluation and impact assessment methods. Participants will also be given a wide range of event studies in order to learn from prior industry experience.

MS 565: Destination Management
This course offers specialized knowledge of destination management, a topic that has become even more important in contemporary tourism business. Participants will start from an introduction to destination management and the related marketing concepts and roles and will continue to in-depth issues such as destination communications and promotion, destination markets and segments, models of destination management, partnership and strategic cooperation in tourism, primary and secondary tourism offer, creation-distribution-branding of a destination, quality of the product, as well as case studies of good practice in international destination management.

MS 585: Tourism e-business

Advances in technology have greatly influenced and shaped modern tourism operations. IT systems offer flexible, online and, above all, affordable, solutions for everyone, from single individuals to large companies. What is more important, online systems are used not only by industry professionals but by customers too; it is a given fact that a growing majority of tourists around the world use the internet to research, examine and select their next travel. As a result, it has become absolutely necessary that a professional of any position in tourism should be able to manage and run such platforms on a daily basis. There are hundreds of innovative and versatile platforms available for travel services, covering the needs of various segments, such as destination management companies, travel agencies, tour operators, hotels and hotel chains, tourist transfers and buses, excursions and package organizers etc.

During this course participants will be introduced to the basic characteristics of various e-business concepts, as well as industry-specific software, such as hotel booking, airline reservations, events registrations, as well as operations software covering areas of accounting, HR, logistics and dining services.

MS 595: Internship

The practical application of theory taught is of utmost importance for this program. In fact, the program is structured in such a way so that participants will have no classes during the May-September period, which is the extended summer vacation period for the region. During this time, all participants will be asked to spend their time working on a full-time or a part-time basis (depending on availability) at a tourism sector company. Companies will be either selected by participants or by the School. The School has a network of companies that will support the program by offering internships and will constantly work in expanding the options of participants.

The internship course will play a catalytic role in combining and integrating all acquired knowledge and experiences during the academic program. Participants are expected to demonstrate their full potential and contribute into the firms' everyday operations, as well as offer their expertise to the management. In addition, the internship course is expected to further develop their determination to work and succeed in the hospitality and tourism industry and become successful managers in the future.

MS 598: Applied Project

This is the concluding course of the program. All participants will have to produce a paper on a topic of their choice under the supervision of an assigned faculty. The basic task of the students is to undertake a major study on an individual basis and submit a paper in the end of their final year. The paper will normally be either an empirical investigation or one based on secondary sources. As such, the thesis is an integral part of the program as it enables students to demonstrate the application of those analytical, investigative and evaluative skills developed during the program. The thesis allows students to pursue issues in depth and undertake their own research under supervision. The topic chosen can either be related to their internship experience or be selected individually on an issue of their interest.

UNDERGRADUATE BUSINESS PROGRAMS

ACADEMIC PROGRAMS

The Division of Business Studies offers the following undergraduate programs:

Degree Programs:

Bachelor of Science in Business with Concentrations in:

- Entrepreneurial Management
- Tourism
- International Business & Finance
- Marketing

- Minor in Human Resources Management
- Minor in International Business

DEGREE PROGRAMS

BACHELOR OF SCIENCE IN BUSINESS
CONCENTRATION IN ENTREPRENEURIAL MANAGEMENT

This Concentration deals with the challenges of leading organizations and working with people in a constantly changing economic environment. The Entrepreneurial Management program prepares you for a wide variety of positions in business or consulting. One of the most common career paths is to begin as a management trainee, the first step towards becoming a general manager or executive. Students can also prepare for a career in human resource management working in areas such as training and development recruiting and staffing. Finally, management courses will advance your own personal leadership and negotiation skills.

Degree Requirements
In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A of 2.0 or better. All business students take a Research Methods course followed by a Business Strategy I and Business Strategy II (capstone, final project) course. According to NECHE Standards, studentsmust complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Business—Entrepreneurial Management is currently validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Business Requirements

• Accounting 101	**Financial Accounting (OU)**
• Accounting 102	**Managerial Accounting (OU)**
• Business Administration 241	**International Business Law (OU)**
• Economics 101*	**Introductory Macroeconomics (OU)**
• Economics 102	**Introductory Microeconomics (OU)**
• Finance 201	**Financial Management (OU)**
• Management 101	**Introduction to Management (OU)**
• Management 201	**Organizational Behavior (OU)**
• Management 312	**Operations Management (OU)**
• Management 322	**Business Strategy I (OU)**
• Management 323	**Business Strategy II (OU)**
• Marketing 101	**Introduction to Marketing (OU)**
• Marketing 301	**Entrepreneurial and Corporate Marketing Strategy (OU)**

b. Entrepreneurial Management Concentration Requirements

• Finance 202	**Entrepreneurial and Corporate Finance (OU)**
• Management 210	**Human Resources Management for Growth (OU)**
• Management 219	**Entrepreneurial International Business (OU)**
• Management 240	Creative Thinking
• Management 330	**Entrepreneurship and Innovation (OU)**
• Management 341	**Business in Greece and the E.U. (OU)**
• Marketing 330	**Consumer Behavior (OU)**

c. Other Degree Requirements

• Mathematics 101*	Elements of Finite Mathematics
• Mathematics 115*	**Calculus (OU)**
• Statistics 205*	**Introductory Statistics (OU)**
• Computer Science 101*	Introduction to Computing
• Computer Science 151*	**Quantitative Computing (OU)**
• Computer Science 201	**Business Computing (OU)**
• Research 299	**Business Research Methods (OU)**

d. Business Electives

<u>One Business Elective from among:</u>

Business 399: Global Competitiveness Practicum
Econ 242: Applied Managerial Economics
CS 250: E-Commerce
Business 398: Undergraduate Internship in Business
CS 306: Advanced Web Development (OU)
CS 312: Database Management Systems (OU)
CS 325: Distributed Applications (OU)
CS 412: Object Oriented Design Patterns (OU)
CS 422: Advanced Database Systems (OU)
CS 450: System Analysis and Design (OU)
CS 499: Advanced Programming Tools
Fin 210: International Money and Banking (OU)
Fin 220: Investment and Portfolio Management (OU)
Fin 232: International Finance (OU)
Fin 400: Seminar in Finance
Mkg 200: Principles of Public Relations (OU)
Mkg 212: Sales Management (OU)
Mkg 214: Advertising (OU)
Mkg 311: Retailing
Mkg 318: Global Marketing (OU)
Mkg 320: Marketing Research (OU)
Mkg 324: e-Marketing (OU)
Mgt 218: International Business (OU)
Mgt 244: Managerial Decision Making

e. One free elective.

**Any of the major courses above marked with an asterisk may be taken to meet part of the GER.*

Suggested Program of Studies

Year One:
Mathematics 101
CS101 or CS105
History 120
English 101
Politics 101
Mathematics 115 (OU)
Computer Science 151(OU)
Philosophy 101
English 102
Bio 101 or Ecology 110

Year Two (Level 4):
Management 101 (OU)
Accounting 101 (OU)
Economics 101 (OU)
English 204
English 120, Art 120, or Music 120
Accounting 102 (OU)
Economics 102 (OU)
Marketing 101 (OU)
Philosophy 203
Anthropology 101, Sociology101, or Psychology 101

Year Three – semester 1 (Level 5):
Management 201 (OU)
Finance 201 (OU)
Business Administration 241 (OU)
Computer Science 201 (OU)
Free Elective

Year Three – semester 2 (Level 5):
Research Methods 299 (OU)
Statistics 205 (OU)
Finance 202 (OU)
Management 219 (OU)
Business Elective

Year Four – semester 1 (Level 6):
Management 322 (OU)
Management 341 (OU)
Management 312 (OU)
Marketing 330 (OU)
Business Elective

Year Four – semester 2 (Level 6):
Management 323 (OU)
Management 210 (OU)
Management 330 (OU)
Marketing 301 (OU)
Business elective

BACHELOR OF SCIENCE IN BUSINESS
CONCENTRATION IN INTERNATIONAL BUSINESS & FINANCE

Global financial markets remain a dynamic sector of the world economy. Today the demand for International Business & Finance professionals to interpret the flood of information and to implement trading and financial strategies requires that the students understand theory and also have hands-on experience. ACT's goal is to educate and prepare students for successful careers in financial management through a careful balance between theory and hands-on learning.

Degree Requirements
In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A. of 2.0 or better. All business students take a Research Methods course followed by a Business Strategy I and Business Strategy II (capstone, final project) course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Business—International Business & Finance is currently validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Business Requirements

• Accounting 101	**Financial Accounting (OU)**
• Accounting 102	**Managerial Accounting (OU)**
• Business Administration 241	**International Business Law (OU)**
• Economics 101*	**Introductory Macroeconomics (OU)**
• Economics 102	**Introductory Microeconomics (OU)**
• Economics/Management 242	**Applied Managerial Economics (OU)**
• Finance 201	**Financial Management (OU)**
• Management 101	**Introduction to Management (OU)**
• Management 201	**Organizational Behavior (OU)**
• Management 312	**Operations Management (OU)**
• Management 322	**Business Strategy I (OU)**
• Management 323	**Business Strategy II (OU)**
• Marketing 101	**Introduction to Marketing (OU)**
• Marketing 301	**Entrepreneurial and Corporate Marketing Strategy (OU)**

b. International Business & Finance Concentration Requirements

• Finance 202	**Corporate Finance (OU)**
• Finance 220	**Investment and Portfolio Management (OU)**
• Finance 232	**International Finance (OU)**
• Finance 400	Seminar in Finance

c. Other Degree Requirements

• Mathematics 101*	Elements of Finite Mathematics
• Mathematics 115*	**Calculus (OU)**
• Statistics 205*	**Introductory Statistics (OU)**
• Computer Science 101*	Introduction to Computing
• Computer Science 151*	**Quantitative Computing (OU)**
• Computer Science 201	**Business Computing (OU)**
• Research 299	**Research Methods (OU)**

d. Business Electives

Three Business Electives (one must be an OU validated course) from among:

Business 398: Undergraduate Internship in Business
Business 399: Global Competitiveness Practicum
CS 250: E-Commerce
CS 306: Advanced Web Development (OU)
CS 312: Database Management Systems (OU)
CS 325: Distributed Applications (OU)
CS 412: Object Oriented Design Patterns (OU)
CS 422: Advanced Database Systems (OU)
CS 450: System Analysis and Design (OU)
CS 499: Advanced Programming Tools (OU)
Econ 332: International Economics (OU)
Mkg 200: Principles of Public Relations (OU)
Mkg 212: Sales Management (OU)
Mkg 214: Advertising (OU)
Mkg 311: Retailing
Mkg 318: Global Marketing (OU)
Mkg 320: Marketing Research (OU)
Mkg 324: E-Marketing (OU)
Mkg 330: Consumer Behavior (OU)
Mngt 210: Human Resource Management for Growth (OU)
Mngt 219: Entrepreneurial International Business (OU)
Mngt 330: Entrepreneurship and Innovation (OU)
Mgt 341: Business in Greece and the EU (OU)

e. One free elective

** Any of the Major courses above marked with an asterisk may be taken to also meet part of the GER.*

Suggested Program of Studies

Year One:
Mathematics 101
CS101 or CS105
History 120
English 101
Politics 101
Mathematics 115 (OU)
Computer Science 151(OU)
Philosophy 101
English 102
Biology 101 or Ecology 110

Year Two (Level 4):
Management 101(OU)
Accounting 101(OU)
Economics 101(OU)
English 204
English 120, Art 120, or Music 120
Accounting 102 (OU)
Economics 102 (OU)
Marketing 101 (OU)
Philosophy 203
Anthropology 101, Sociology101, or Psychology 101

Year Three – semester 1 (Level 5):
Management 201 (OU)
Finance 201(OU)
Business Administration 241 (OU)
Computer Science 201(OU)
Free Elective

Year Three – semester 2 (Level 5):
Research Methods 299 (OU)
Statistics 205 (OU)
Finance 202 (OU)
Management 219 (OU)
Business elective

Year Four – semester 1 (Level 6):
Management 322 (OU)
Finance 232 (OU)
Management 312 (OU)
Management 341 (OU)
Business elective

Year Four – semester 2 (Level 6):
Management 323 (OU)
Finance 220 (OU)
Economics 332 (OU)
Marketing 318 (OU)
Business elective

BACHELOR OF SCIENCE IN BUSINESS
CONCENTRATION IN TOURISM

The Tourism program deals with the challenges and the opportunities of contemporary tourism and hospitality. Students learn to analyze market and investment opportunities in other countries. Through a careful blending of theory and practical applications students are prepared to pursue careers in local and international tourism and hospitality organizations.

Degree Requirements
In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A of 2.0 or better. All business students take a Research Methods course followed by a Business Strategy I and Business Strategy II (capstone, final project) course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Business—Tourism is currently validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Business Requirements

• Accounting 101	**Financial Accounting (OU)**
• Accounting 102	**Managerial Accounting (OU)**
• Business Administration 241	**International Business Law (OU)**
• Economics 101*	**Introductory Macroeconomics (OU)**
• Economics 102	**Introductory Microeconomics (OU)**
• Finance 201	**Financial Management (OU)**
• Management 101	**Introduction to Management (OU)**
• Management 201	**Organizational Behavior (OU)**
• Management 322	**Business Strategy I (OU)**
• Management 323	**Business Strategy II (OU)**
• Marketing 101	**Introduction to Marketing (OU)**

b. Tourism Concentration Requirements

• Management 202	**Destination Management (OU)**
• Management 203	**Hospitality Management (OU)**
• Marketing 201	**Tourism Marketing (OU)**
• Management 302	**Revenue Management (OU)**
• Management 303	**Events Management (OU)**
• Marketing 303	**E-Business Marketing (OU)**
• Management 305	**HR in Hotels and Tourism (OU)**
• Management 306	**Tourism and Real Estate Management (OU)**
• Marketing 320	**Marketing Research (OU)**

c. Other Degree Requirements

• Mathematics 101*	Elements of Finite Mathematics
• Mathematics 115*	**Calculus (OU)**
• Statistics 205*	**Introductory Statistics (OU)**
• Computer Science 101*	Introduction to Computing
• Computer Science 151*	**Quantitative Computing (OU)**
• Computer Science 201	**Business Computing (OU)**
• Research 299	**Business Research Methods (OU)**

d. Business Electives

BUSINESS 398: Undergraduate Internship in Business
BUSINESS 399: Global Competitiveness Practicum
MKTG202: Services Marketing
ECON 242: Managerial Economics
MKTG212: Sales Marketing
MKTG302: Corporate Social Responsibility
MNGT308: Leadership Development
FIN301: Advanced Monetary Policy
MNGT307: Negotiations
FIN 210: Money & Banking
CSC401: Quantitative Operations Models

e. One free elective

**Any of the Major courses above marked with an asterisk may be taken to meet part of the GER.*

Suggested Program of Studies

Year One:
Mathematics 101
CS101 or CS105
History 120
English 101
Politics 101
Mathematics 115 (OU)
Computer Science 151 (OU)
Philosophy 101
English 102
Bio 101 or Ecology 110

Year Two (Level 4):
Management 101 (OU)
Accounting 101 (OU)
Economics 101 (OU)
English 204
English 120, Art 120, or Music 120
Accounting 102 (OU)
Economics 102 (OU)
Marketing 101 (OU)
Philosophy 203
Anthropology 101, Sociology101, or Psychology 101

Year Three – semester 1 (Level 5):
Management 201 (OU)
Finance 201 (OU)
Business Administration 241 (OU)
Computer Science 201 (OU)
Free Elective

Year Three – semester 2 (Level 5):
Management 202 (OU)
Management 203 (OU)
Statistics 205 (OU)
Marketing 201 (OU)
Business Elective

Year Four – semester 1 (Level 6):
Management 322 (OU)
Management 302 (OU
Management 303 (OU)
Marketing 303(OU)
Business Elective

Year Four – semester 2 (Level 6):
Management 323 (OU)
Management 305 (OU)
Management 306 (OU)
Marketing 320 (OU)
Business elective

BACHELOR OF SCIENCE IN BUSINESS
CONCENTRATION IN MARKETING

Marketing is a critical function for all businesses since it involves the closest contact with customers. Marketing managers identify who a firm's customers are, what they need, and how the firm can best satisfy that need. As a result, this discipline plays a large role in creating profits for a business. Many successful marketing managers achieve high positions within an organization. Marketing graduates may find professional opportunities in sales, market research, retailing and advertising. More experience brings advancement to marketing management, market analysis, and consulting.

Degree Requirements
In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A of 2.0 or better. All business students take a Research Methods course followed by a Business Strategy I and Business Strategy II (capstone, final project) course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Business—Marketing is currently validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Business Requirements

• Accounting 101	**Financial Accounting (OU)**
• Accounting 102	**Managerial Accounting (OU)**
• Business Administration 241	**International Business Law (OU)**
• Economics 101*	**Introductory Macroeconomics (OU)**
• Economics 102	**Introductory Microeconomics (OU)**
• Economics/Management 242	**Applied Managerial Economics (OU)**
• Finance 201	**Financial Management (OU)**
• Management 101	**Introduction to Management (OU)**
• Management 201	**Organizational Behavior (OU)**
• Management 312	**Operations Management (OU)**
• Management 322	**Business Strategy I (OU)**
• Management 323	**Business Strategy II (OU)**
• Marketing 101	**Introduction to Marketing (OU)**
• Marketing 301	**Entrepreneurial and Corporate Marketing Strategy (OU)**

b. Marketing Concentration Requirements

• Management 240	Creative Thinking
• Marketing 200	**Public Relations (OU)**
• Marketing 214	**Advertising (OU)**
• Marketing 318	**Global Marketing (OU)**
• Marketing 320	**Marketing Research (OU)**
• Marketing 324	**e-Marketing (OU)**
• Marketing 330	**Consumer Behavior (OU)**

c. Other Degree Requirements

• Mathematics 101*	Elements of Finite Mathematics
• Mathematics 115*	**Calculus (OU)**
• Statistics 205*	**Introductory Statistics (OU)**
• Computer Science 101*	Introduction to Computing
• Computer Science 151*	**Quantitative Computing (OU)**
• Research 299	**Business Research Methods (OU)**

d. Business Electives

Two Business Electives from among:

Business 398: Undergraduate Internship in Business
Business 399: Global Competitiveness Practicum
Econ 332: International Economics (OU)
CS 250: E-Commerce
CS 306: Advanced Web Development (OU)
CS 312: Database Management Systems (OU)
CS 325: Distributed Applications (OU)
CS 412: Object Oriented Design Patterns (OU)
CS 422: Advanced Database Systems (OU)
CS 450: System Analysis and Design (OU)
CS 499: Advanced Programming Tools (OU)
Fin 202: Corporate Finance (OU)
Fin 210: International Money and Banking (OU)
Fin 220: Investment and Portfolio Management (OU)
Fin 232: International Finance (OU)
Fin 400: Seminar in Finance
Mgt 210: Human Resource Management for Growth (OU)
Mgt 219: International Business (OU)
Mgt/Econ 242: Applied Managerial Economics (OU)
Mgt 330: Entrepreneurship and Innovation (OU)
Mgt 341: Business in Greece and the EU (OU)
Marketing 212 Sales Management (OU)
Mkg 311: Retailing

e. One free elective

**Any of the Major courses above marked with an asterisk may be taken to meet part of the GER.*

Suggested Program of Studies

Year One:
Mathematics 101
CS101 or CS105
History 120
English 101
Politics 101
Mathematics 115 (OU)
Computer Science 151 (OU)
Philosophy 101
English 102
Bio 101 or Ecology 110

Year Two (Level 4):
Management 101 (OU)
Accounting 101 (OU)
Economics 101 (OU)
English 204
English 120, Art 120, or Music 120
Accounting 102 (OU)
Economics 102 (OU)
Marketing 101 (OU)
Philosophy 203
Anthropology 101, Sociology101, or Psychology 101

Year Three – semester 1 (Level 5):
Management 201 (OU)
Finance 201(OU)
Business Administration 241 (OU)
Marketing 200 (OU)
Free Elective

Year Three – semester 2 (Level 5):
Research Methods 299 (OU)
Statistics 205 (OU)
Marketing 214 (OU)
Computer Science 201 (OU)
Business elective

Year Four – semester 1 (Level 6):
Management 322 (OU)
Management 312 (OU)
Marketing 330 (OU)
Marketing 324(OU)
Business elective

Year Four – semester 2 (Level 6):
Management 323 (OU)
Marketing 320 (OU)
Marketing 318 (OU)
Marketing 301 (OU)
Business elective

MINORS

The Division of Business offers the opportunity to students from other majors to pursue Minors in Human Resources Management and in International Business. These minors are not available to Business majors.

Minor in Human Resource Management

- Management 101, 201, 210
- 3 electives from the following: Business Administration 241, Economics 102, Management 219, Marketing 200

Minor in International Business

- Management 101, 201
- Management 307, 308
- Com 315
- Management 460


Social
Responsibility

UNDERGRADUATE BUSINESS COURSES

The courses listed below are expected to be offered at least every two years and a reevaluation of the entire course curriculum will be carried out every two years in order to maintain an updated list of course offerings.

Accounting

Accounting 101: Financial Accounting
This course is designed to provide students with an understanding of accounting information and the environment in which it is developed and used. Accounting principles and procedures are discussed in order to provide an understanding of the financial accounting process, including the recording, summarizing, and reporting of business transactions, which results in the preparation of financial statements. Topicss covered include accounting and the business environment, revenue and cost recognition, asset valuation, depreciation, and an introduction to financial statement analysis.

Accounting 102: Managerial Accounting
This course is designed to give insight into the interpretation and use of financial reports for management planning, coordination and control. Students will be exposed to the kind of accounting information needed, where this information can be obtained, and how this information can be used by managers as they carry out their planning, controlling, and decisionmaking responsibilities. Topics include management accounting vs. financial accounting, classification and behavior of costs, CVP analysis, segmented reporting, standard costing and responsibility accounting. Prereq: Accounting 101, Management 101

Business Administration

Business Administration 241: International Business Law
The aim of the course is to introduce students to business law in the international environment. The course will cover the following topics: the formation of contracts, performance and non-performance of contracts, breach of contracts, a detailed analysis of commercial supply contracts, international sales and transactions, intellectual property, as well as commercial dispute resolution. The course will also reflect on different ethical dilemmas that businesspersons face today in the global society. It will also cove issues relating to different forms of getting incorporated and labor law.

Business Administration 242: European Business Law
An introduction to institutional European Community Law, beginning with an analysis of the basic principles of the European Union and the rules concerning the establishment and functioning of the internal market. Topics examined: consumer protection policy and legal protection, including directives on product liability and on the drawing of contracts away from business premises; elements of environmental EU law which may affect the opening and/or operation of a business; characteristics and limitations of new types of business (hire-purchase, leasing, factoring, forfeiting); negotiable instruments; technology transfer agreements; patent law; copyright protection; aspects of EU external trade in relation to commercial defense measures such as import and export regimes, and anti-dumping and subsidy measures related to the operation of multinationals within the EU. Ethical and management issues are considered throughout the course.

Business 399: Global Competitiveness Practicum
The course is designed to give students an opportunity to leverage their existing business skills, as well as, develop new ones in an exciting and team cooperative environment. ACT faculty select a number of local businesses and the students work on consulting assignments for them. GCP faculty assign students to teams, each consisting of generally two ACT and two Ohio University students. Each team is given a different business project and is charged with developing and implementing an approach for completing it in a fashion that satisfies its clients and meets the course objectives. *It should be noted that this course is a special summer course offered only to regular ACT and Ohio University students.

Economics

Economics 101: Introductory Macroeconomics
An introduction to modern economic analysis and its policy implications. The course centers on the applications of economic theory to national policy problems such as growth , inflation, unemployment, government expenditures and taxation, and the role of money. In addition, it provides a broad introduction to the understanding of the modern national socioeconomic systems in today's globalized economies.

Economics 102: Introductory Microeconomics
A continuation of the introduction to modern economic analysis concentrating on the factors affecting behavior and decision-making by households, business firms, and institutions operating under a mixed socioeconomic system. It also considers the issues of market failures and introduces basic concepts of international economics.

Economics 332: International Economics
The goals and objectives of this course are to facilitate the students understanding of foreign trade flow issues including the causes, the volume and the direction of these flows. Strong emphasis is given to the formulation of industrial trade policies. Topics to be covered include various trade and exchange rate theories, tariffs, and commercial policy, factor movement, regional economic integration, international institutions, international macroeconomic interactions, and international environmental issues and policies. **Prereq: Economics 101 and 102**

Economics/Management 242: Applied Managerial Economics
This course deals with the application of economic theory and the tools of analysis of decision science to examine how an organization can achieve its aims most efficiently. The course uses the theory of the firm to integrate and link economic theory (microeconomics and macroeconomics), decision sciences (mathematical economics and econometrics), and the functional areas of business (accounting, finance, marketing, personnel and human resource management, and production) and shows how all of these topics are crucial components of managerial decision-making. Emphasis is placed on actual real world managerial decisions. Prereq: Economics 102, Math 115

Finance

Finance 201: Financial Management
This course provides a comprehensive introduction to the field of financial management. Emphasis is given to the examination of the processes and the methodology of financial statement analysis that are to be applied and used as guidelines in assessing, interpreting and planning financial data to meet the objectives of managing a business entity effectively. Topics covered include goals and functions of financial management, short term financial management decisions, financial statement analysis, planning and financial forecasting, and time value of money. **Prereq: Accounting 102**

Finance 202: Entrepreneurial and Corporate Finance
This course will clearly focus on financing an existing family business, start-ups, corporations and NGO's, including sound financial management practices. The course will go into depth on how to analyze financial statements, create financial forecasts, and evaluate the various ventures. Tools and methods used in determining how much money a venture actually needs in order to be viable will also be covered. Attention will be devoted to the different types of financing alternatives available to an entrepreneur. The venture capital market will be investigated in detail, including self-financing, debt financing, angel financing, and financing from venture capital firms. Students will be encouraged to understand financing issues and options from the vantage points of the entrepreneur, the lender, and the investor. In short, the course will explore the most important financial issues that an entrepreneur may face. **Prereq: Finance 201**

Finance 210: International Money and Banking
The main intention of this course is to provide an overview of some key issues related to money, monetary policy and banking. Major topics covered in the money segment of the course include money creation, the monetary system, policy and control. The banking part of the course begins with the main banking operations and functions and continues with a discussion of the principles of bank asset and liability management. The markets in which banks operate are then described and the operations of banks in these markets are assessed. The risks encountered in banking are addressed, together with the means of controlling such risks. The safety and stability of the banking system is finally considered. **Prereq: Economics 102 and 102**

Finance 220: Investment and Portfolio Management
The principal purpose of this course is to offer a comprehensive introduction to the characteristics and analyses of individual securities as well as the theory and practice of combining securities to form optimal portfolios. It provides an understanding of the general principles of financial and investment decision-making through an examination of asset pricing models and the efficient market hypotheses as well as treatment of interest rates, bond and stock pricing, and bond and stock fund management. **Prereq: Economics/Management 242, Finance 202, Statistics 205**

Finance 232: International Finance
This course, designed for students who wish to build upon the basic economic and financial principles they have acquired in the areas of economic and corporate finance, covers both the management and the markets of multinational and European business. Students are exposed to the international business environment, with emphasis on the challenges financial managers face in the dynamic and rapidly expanding field of international and European finance. More specifically, students thoroughly examine recent developments in the following areas: financial management of an internationally-oriented business, international financial markets, multinational capital structure and the cost of capital, hedging of exchange rate movements and financing of international trade, and the international banking environment. **Prereq: Finance 202, Statistics 205**

Finance 400: Seminar in Finance
The purpose of this course is to analyze topics in Financial Management that have received limited coverage or no coverage in the other courses in Finance. The following topics will be covered in the course: Financial Innovations / Derivatives / Venture Capital / International Portfolio Management / International Acquisitions and Valuation / Currency Risk Management. The ecourse topics and theme will vary over time to include the most recent issues affecting the financial sector. **Prereq: Finance 202 and Finance 232**

Management

Management 101: Introduction to Management
This course provides students with knowledge of basic management theories and concepts and introduces them to simple case studies relevant to the theoretical background that is covered. The subjects examined, including some insights from international management, are the following: the external and internal environment within which an organization operates; the historical foundations of Management; the social responsibility of business and the relation between business and government; the managerial function of planning; management by objectives; the organizing function and organizational structures; the function of staffing and personnel selection; the function of leading, motivation and job satisfaction and finally, the function of controlling and coordinating a firm's actions to achieve its objectives.

Management 201: Organizational Behavior
The behavior of individuals and groups within the organizational context is presented and analyzed. Different forms of organizational behavior are considered, providing students with exposure to various models. Topics covered include the context of organizational behavior, organizational culture, understanding individual behavior, personality-perception attitudes, job satisfaction, job stress, motivation and learning, interpersonal behavior and dynamics, leadership, power and politics.
Prereq: Management 101

Management 202: Destination Management
This course offers specialized knowledge of destination management, a topic that has become even more important in contemporary tourism business. Participants will start from an introduction to destination management and the related marketing concepts and roles and will continue to in-depth issues such as destination communications and promotion, destination markets and segments, models of destination management, partnership and strategic cooperation in tourism, primary and secondary tourism offer, creation-distribution-branding of a destination, quality of the product, as well as case studies of good practice in international destination management.

Management 203: Hospitality Management
Hospitality is a concept deeply rooted into Greek mentality. Intuitive hospitality is offered by all tourism professionals and the country is renowned for this quality. Nevertheless, contemporary developments and cultural trends make it necessary for professionals to be educated according to today's needs. This course covers a wide range of topics that include advance hospitality management theory, impact of socio-economics and technology on hospitality, the future trends, laws relating to business ownership, current practices, legislation and ethics in hospitality practices, operations of revenue, logistics in accommodation for guests, guest handling, and various segments such room, concierge, food and beverage, pools, casinos, beach-bars and restaurants.

Management 310: Human Resource Management
The course provides an overview of the basic concepts and practices of human resource management of a modern entrepreneurial organization. Its emphasis is on HRM's strategic perspective and well-being of the people for the success of new ventures. It also focuses on the global realities of HRM and the use of modern technologies within an ethical framework. Topics covered include , basic concepts, strategic HRM, legal aspects of HRM, Job analysis & Job Design, human resource planning, employee recruitment, selection, motivation and orientation, performance evaluation and compensation, Training and development, labour relations, safety, health and wellness, social and ethical issues. **Prereq: Management 101**

Management 219: Entrepreneurial International Business
The objective of this course is to present an overview of the global environment within which firms operate. Students are exposed to all aspects of international business and will learn how to interpret international developments and evaluate their consequences for the firm. Among the topics considered are the nature of the multinational corporation, the institutional framework for international business, environmental factors influencing the choice of international investment sites, factors related to business operations in specific countries/regions, and the special circumstances relating to the marketing and financing of international businesses. **Prereq: Economics 101, Management 101**

Management 240: Creative Thinking: The Business Imperative
The course introduces students to the principles and techniques of creative thinking. Students are taught how to evaluate their own ideas, as well as the ideas of others. The focus of the course is in developing the student's innovation and decision- making skills. The course also covers how to anticipate objections to ones' ideas and how to overcome them.

Management /Economics 242: Applied Managerial Economics
This course deals with the application of economic theory and the tools of analysis of decision science to examine how an organization can achieve its aims most efficiently. The course uses the theory of the firm to integrate and link economic theory (microeconomics and macroeconomics), decision sciences (mathematical economics and econometrics), and the functional areas of business (accounting, finance, marketing, personnel or human resource management, and production) and shows how all of these topics are crucial components of managerial decision-making. Emphasis is placed on actual real world managerial decisions. **Prereq: Economics 102, Math 115**

Management 302: Revenue Management
With a fixed capacity, a highly disposable product and high fixed costs, hotels are a natural candidate for the application of revenue management. The purpose of this course is to provide a core understanding of the fundamentals of revenue management, which ties into the larger picture of revenue strategy. The course is structured to provide an insightful lookinto Revenue Management.
In today's hotel sector an increasingly complex network of traditional and web based channels have to be managed to insure hotel success. Key questions include: how should you distribute over the web? What should you include on your brand. com website so people book through it? How can you maximise the potential of online travel agents (OTAs)? With the distribution environment both highly complex and constantly evolving, this course will give you comprehensive foundation of current industry practices to help jumpstart your career in this fascinating domain.

Management 303: Events Management
This course will provide industry-specific knowledge of events planning and running. It will offer a comprehensive overview of events management, covering all types of event destinations, venues and operations. Specific attention is paid to the analysis, management and monitoring of the economic and tourism benefits of the events sector. Topics that will be covered include event management, planning, operations, logistics, quality management, coordination of HR, financial management and marketing of events, communications, and evaluation and impact assessment methods. Participants will also be given a wide range of event studies in order to learn from prior industry experience.

Management 304: Total Quality Management
The objective of this course is to provide students with in-depth knowledge and understanding of the importance of quality and customer satisfaction in business competitiveness, and to introduce them to the basic principles and tools of

quality management and improvement. The course will focus on the continuous improvement of all aspects of a business, from design through production, to after-sales service, using leadership and employee participation. Topics covered will include the concept of quality and the different quality management philosophies; the basic principles and components of TQM; the link with recognized quality awards (Malcolm Baldridge National Quality Award & European Quality Award); quality assurance systems & ISO 9000 standards; measurement of quality cost; quality improvement tools & techniques. Both secondary readings and real-world cases are provided as a basis for class discussion. **Prereq: Management 312**

Management 305: HR in Hotel and Tourism
Hospitality is a concept deeply rooted into Greek mentality. Intuitive hospitality is offered by all tourism professionals and the country is renowned for this quality. Nevertheless, contemporary developments and cultural trends make it necessary for professionals to be educated according to today's needs. This course covers a wide range of topics that include advance hospitality management theory, impact of socio-economics and technology on hospitality, the future trends, laws relating to business ownership, current practices, legislation and ethics in hospitality practices, operations of revenue, logistics in accommodation for guests, guest handling, and various segments such room, concierge, food and beverage, pools, casinos, beach-bars and restaurants.

Management 306: Tourism and Real Estate Management
Subject Module is going to offer an insight into the principles of tourist real estate development, a part of what is called commercial real estate development. Usually, in Greece, real actions take place by individual entrepreneurs with limited knowledge of the real estate market background. There is a small number of listed real estate companies.
Subject module is going to focus on the key feature of tourist real estate: Hotel Development.

Management 312: Operations Management
The course provides an overview of concepts, methodologies and applications of production and operations management. Topics include productivity, forecasting demand, location and capacity planning, inventory control, project management, operations scheduling, just-in-time systems, quality control, total quality management. **Prereq: Management 101**

Management 322: Business Strategy I
The aim of this course is to enable students to approach the whole organization: marketing, finance, accounting and personnel functions together. Strategy and structure are the central themes of the course. Topics covered include the business environment, the systems approach, industry analysis, organizational intelligence, organizational structuring, organizational power, strategy development and implementation, leadership styles, management of the external environment, and strategic decision-making. **Prereq: Finance 201, Management 312, Marketing 101**

Management 323: Business Strategy II (Capstone Project)
This course is designed to synthesize the knowledge and skills developed in previous business courses and apply them to the research project. Students learn about all aspects of the process of developing and carrying out their business strategy research project, and gain an understanding of standards and expectations that students need to meet to be successful in completing their research. Typically there are no classroom sessions throughout the course. However, in order to make substantial progress, it is essential that students set and meet aggressive goals and meet regularly with their coordinator to ensure the research project is progressing in a focused and high quality manner. Lastly this research project should prove the student's independent ability to investigate and develop an issue within the field of business strategy. **Prereq: Management 322**

Management 330: Entrepreneurship and Innovation
An in-depth study of the legal, financial, marketing and organizational aspects of starting up, implementing, and successfully managing one's own business venture. The major portion of the course, apart from presentation and discussion of theoretical bases involving starting a new business, consists of construction of a detailed business plan. Class members consider all issues involving initiation, building and controlling a new venture. The main goal is first the analysis and secondly the simulation of an effective business plan based on realistic, contemporary case scenarios. P**rereq: Economics 102**

Management 341: Business in Greece and the EU
The aim of the course is to give students in-depth insights into the complexities of the European environment from a global, business, economic, political, and legal perspective. The course also analyzes the various ways in which the European Union institutions influence a company working in or with Europe, with specific emphasis placed on doing business in Greece. **Prereq: Economics 101 and 102**

Management 421/MBA-MAN 521: Organizational Leadership and Change
This course examines leadership and its role in the change process. Students learn how to catalyze action by creating a vision and build momentum for change. In the process, they learn more about themselves as leaders. **(Permission by the instructor)**

Management 425/MBA-MAN 525: Operations Management
This course introduces the modeling tools used to manage the complex 21st century business environment. It includes examination of decision analysis, probabilistic models, simulation techniques, regression-based inference and mathematical programming. **(Permission by the instructor)**

Management 460: Contemporary Project Management
Projects represent an increasing percentage of the activities of most organizations. Companies regularly use project management to achieve optimum results through the use of limited resources and under critical time constraints. Due to the continuously changing and increasingly complex environment, there are a large number of companies and individual consultants specializing in the management of projects. Nearly every organization is involved in some sort of project, such as construction, engineering, manufacturing, technology development, or telecommunications. The course will teach students the core fundamentals of project management and builds on their knowledge for effectively initiating a project and managing the project scope. It also helps students develop their skills in project management, to recognize and avoid the causes of project failure, and to manage a project from its initial stage to its completion.**Prereq: MNGT 101: Introduction to Management, Fin 201: Financial Management**

Management 470/MBA-BUS 570: International Business
This course analyzes the major forces that affect the operations of firms across national boundaries. It undertakes an indepth look at the international political, cultural, and economic forces affecting multinational enterprises' market entry strategy, marketing, financial, production and human resource functions. It examines the conditions needed to create and maintain an international competitive advantage in an increasingly globalized and interactive market environment. (**Permission by the instructor)**

Management 480/MBA-BUS 580: Strategic Management
This course develops a framework for assessing the current strategic competitive position as well as future performance outlook for a business entity within a given economic environment. Focus on developing skills for the application of concepts and tools for strategy formulation at corporate levels, and on the design of organization structures and management processes required for effective strategy implementation. Case applications involve strategic issues facing the modern manager of a business enterprise impacted by globalization, and information and technology. **(Permission by the instructor)**

Marketing

Marketing 101: Introduction to Marketing
The objectives of this course are to introduce the basic marketing concepts, to present the practical use of marketing in modern corporations, to provide students with the elements of market thinking in solving business problems and to prepare them for working in the competitive and dynamic field of marketing. Topics covered include the macro and micro role of marketing, market segmentation, basic principles of marketing research, demographic and behavioral dimensions of consumers, marketing mix, product analysis, product strategies, new product development, distribution channels, pricing policies, introduction to promotion and advertising, and marketing plan construction. The course is enriched with supplementary up-to-date articles, real-world cases, video projections, and marketing simulation. **Prereq: Economics 102**

Marketing 200: Public Relations
The course introduces students to the theories and techniques involved in planning and carrying out appropriate programs in order to influence public opinion and behavior. The students will receive a comprehensive knowledge of Public Relations, public opinion, public practices and problem solving and prevention.

Marketing 201: Tourism Marketing
Marketing plays a catalytic role in international tourism. Customers are offered today an enormous selection of choices worldwide, while tourism professionals try to distinguish themselves from competition. This course will initially offer general marketing education and then focus in industry-specific applications of marketing. Topics to be covered include the characteristics of a service, their marketing implications, an overview of mix components – product, price, promotion, place, people – the independence and interdependence of elements, definitions of market segmentation, marketing for hotels and resorts, the product life cycle, the scope, process and role of market research, and secondary information, sources, range and importance. Professional expertise will be brought into class together with case studies of marketing practices.

Marketing 202: Services Marketing
The contemporary economy seems to be dominated by services. Growth in the service sector is expected to continue in the future, exceeding the growth of expenditures on tangible goods. This module builds upon marketing management concepts and theories showing how they can be successfully adapted to the services sector. Services present special challenges that need to be identified and addressed. Therefore, this course will provide students who have a genuine interest in working in the service sector with an opportunity to comprehend the differences between tangible goods and services, to anticipate customer needs in the service encounter, create and maintain customer satisfaction, appreciate the dimensions of service quality and ultimately, generate customer loyalty.

Marketing 212: Sales Management
The main objectives of the course are to introduce the basic concepts of personal selling, to give an explicit and practical view of salespeople's main tasks and working practices, and to discuss and organize the current sales management tactics by analyzing up-to-date, real world situations. Topics include sales management functions and strategies, the personal selling process, account relationship management, territory management, setting sales goals, personnel recruitment and selection, sales training, territory design, leadership, motivating and compensating the sales force, and evaluation and control of sales force performance. **Prereq: Management 101, Marketing 101**

Marketing 214: Advertising
The primary objective of this course is to introduce students to the challenging world of advertising and promotion. Advertising is examined as a distinctive element of promotion, together with other communication tools. Current developments of advertising are discussed and an integrative perspective is adopted, due to rapid changes and metamorphoses in the advertising business. Emphasis is given to the role of modern marketing communications, the organizational needs and structure in the field of advertising and promotion, determining advertising objectives and budget, creative strategy, media planning, analysis of broadcast and print media, types of support media and other promotional tools. The large number of advertising techniques and applications, as well as students' everyday exposure to thousands of communication messages, recommend the use of cases, projects, real-world examples and class discussions. **Prereq: Marketing 101**

Marketing 301: Corporate Marketing Strategy
An advanced marketing course that offers in-depth examination and analysis of the basic marketing principles gained in Marketing 101: Introduction to marketing. Students are taught what is being confronted in a marketing department and what the alternative procedures for carrying out various marketing projects are. A considerable effort is made to provide students with the elements of marketing thinking in structuring marketing strategies for various corporations. Supporting students' ability to think, express themselves, write, speak and argue in marketing terms also constitutes one of the main course objectives.
Finally, students are prepared to work in the competitive and dynamic field of marketing and to become professionals with a global perspective. Case analysis and class discussions of current issues are among the important educational and learning tools used. **Prereq: Marketing 101**

Marketing 302: Corporate Social Responsibility
Corporate social responsibility (CSR) has evolved in the business context rom a voluntary to a necessary activity which may contribute to a firm's sustainable competitive advantage. During the course students will discuss critically the role of the corporate social responsibility, also will examine and explore sustainable and socially responsible initiatives around the globe and try to address them. The course will deliver a wider knowledge about new challenges and disconnects, between the markets and the economy. **Prereq: Marketing 101 or Management 101**

Marketing 303: Tourism e-business
Advances in technology have greatly influenced and shaped modern tourism operations. IT systems offer flexible, online, and, above all, affordable, solutions for everyone, from single individuals to large companies. What is more important, online systems are used not only by industry professionals but by customers too; it is a given fact that a growing majority of tourists around the world use the internet to research, examine and select their next travel. As a result, it has become absolutely necessary that a professional of any position in tourism should be able to manage and run such platforms on a daily basis. There are hundreds of innovative and versatile platforms available for travel services, covering the needs of various segments, such as destination management companies, travel agencies, tour operators, hotels and hotel chains, tourist transfers and buses, excursions and

package organizers etc.
During this course participants will be introduced to the basic characteristics of various e-business concepts, as well as industry-specific software, such as hotel booking, airline reservations, events registrations, as well as operationsal software covering areas of accounting, HR, logistics and dining services.

Marketing 318: Global Marketing
This course addresses marketing management problems, techniques and strategies needed to incorporate the marketing concept into today's global marketplace. More specifically the course deals with modes of foreign market entry, pricing issues, cultural and demographical issues and the impact of foreign currency fluctuations on a firm's performance. P**rereq: Management 101, Marketing 101**

Marketing 320: Marketing Research
The major objective of this course is to introduce students to the useful and multi-purpose theory and practice of marketing research. Application of this theory to product, price, place and promotion strategies, as well as to every practical marketing issue confronting a business organization, is one of the main course goals. Topics that are discussed in detail include the role and the environment of marketing research, planning a research project, secondary sources of information, qualitative interviewing methods, survey-interviewing methods, the basics of sampling, major sampling techniques, questionnaire construction, data-processing, analysis and tabulation, and reporting research findings. All topics are dealt with through examples in the context of real business situations. **Prereq: Marketing 101, Statistics 205**

Marketing 324: E-Marketing
This course focuses on the key marketing issues in E-Business, comparing marketing concepts in the traditional marketing environment with those employed in E-Business. Topics addressed include Marketing Research on the Web, Personalization/ Online Community, Pricing Online, Customer Support and Online Quality, E-Commerce, Business to Business (B2B) Marketing, Advertising/Brand Building, Web Promotion, and "Virtual Legality". **Prereq: Marketing 101**

Marketing 330: Consumer Behavior
An analysis of consumer behavior, this module introduces students to the processes that consumers employ in order to select, purchase, use, evaluate, and dispose of products and services that will satisfy their needs. The module will also provide students with an understanding of the influences (external and internal) that determine human behavior. And since consumers vary in the ways that they consume products and services, the module will demonstrate in various ways how and why the analysis of company behavior is critical to the field of marketing.

Research

Research 299: Research Methods
This course aims to provide to students a comprehensive knowledge of good research practices. Students will also be exposed to ethical and legal issues related to research. Emphasis will be placed on the ability of the students to apply the appropriate research methodologies and analytical techniques and on acquiring academic writing and presentation skills.

DIVISION *of* HUMANITIES *and* SOCIAL SCIENCES

Chair
Dr. Maria Kyriakidou, Professor (Political Science and International Relations)
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Dr. Eleni Godi, Assistant Professor (English)
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FACULTY

Ms. Maria Akritidou, Adjunct Instructor Professor (Psychology)
BA Psychology, Aristotle University of Thessaloniki; MS School Psychology, California State University, Pupil Personnel Services Credential in School Psychology (PPS), California State University

Dr. Emily Bakola, Adjunct Professor (English)
BA English with Minor in Cinema and Cultural Studies; MA; PhD Comparative Literature, SUNY Stony Brook, N.Y. (Adj)

Ms Julie Carter, Adjunct Instructor (English)
BA (Hons) Modern Languages 2:2 (French, Russian), Wolverhampton Polytechnic; MA Applied Linguistics and TESOL, Leicester University UK

Dr. Christina Chatzidimitriou, Adjunct Professor (Psychology)
BSc Psychology, Aristotle University of Thessaloniki; MSc Social and Clinical Psychology, Aristotle University of Thessaloniki; MSc in Child and Adolescent Psychiatry, University Rene-Descartes; PhD in child psychiatry, Department of Medicine, Aristotle University of Thessaloniki

Ms Fiona Cornes, Adjunct Instructor (English)
BA (Hons) Theatre Arts/English Literature with Film and Video Studies, University of Exeter; MA Contemporary Theatre Practice, University of Lancaster (Adj)

Ms. Galini Demirtzoglou, Adjunct Instructor (Psychology)
BA Preschool Education, BA Psychology, Aristotle University of Thessaloniki; MA Special Education, PhD Candidate, Aristotle University of Thessaloniki

Dr. Nikolaos Dimitriadis, Adjunct Professor (Humanities)
BA, MPhil, DD Theology, University of Thessaloniki (Adj)

Ms. Despina Dimopoulou, Adjunct Instructor (Psychology)
BSc Psychology, University of Humberside and Lincolnshire; MBA with Human Resource Management direction, University of Lincoln

Dr. Lorena Georgiadou, Adjunct Professor (Psychology)
BSc Psychology, Aristotle University of Thessaloniki; MSc in Counselling Studies; PhD in Counseling and Psychotherapy, The University of Edinburgh

Dr. Joseph Michael Gratale, Professor (Political Science and International Relations)
BA History, William Paterson College; MA Social Sciences/Modern History, Montclair State University; PhD American Literature and Culture/American Studies, University of Thessaloniki (Reg)

Ms. Maria Kalaitzopoulou, Adjunct Instructor (Modern Greek)
BA Byzantine and Modern Greek, University of Thessaloniki; MA Education, University of Thessaloniki (Adj)

Dr. Ian Kehoe, Associate Professor (Media and Communication)
Ph.D. (Education), University of Sheffield, United Kingdom; M.A in Philosophy, University College Dublin, Ireland; RELSA Certificate in English language teaching; B.A Arts, (History and Philosophy), MIC, University of Limerick, Ireland. (Reg)

Ms. Nicola Kondoyiannis, Adjunct Instructor (English)
BA French Language and Literature, Goldsmith's College, University of London; RSA Cambridge TEFL; MA TESL, St Michael's College (Adj)

Dr. Christos N. Konstantinidis, Adjunct Professor (Psychology)
BSc Psychology, Aristotle University of Thessaloniki; MSc, PhD in Sports Science, Dep. of Physical Education and Sport Science, Democritus University of Thrace, Komotini (Adj.)

Dr. Serap Aise Kayetekin, Professor (Economics, Social Science)
BS Economics, Middle East Technical University; MS, Ph.D. Economics, University of Massachusetts Amherst (Reg.)

Ms. Parthenopi Kirmelidou, Adjunct Instructor (Modern Greek)
BA Medieval and Modern Greek Studies; MA Applied Linguistics, Aristotle University of Thessaloniki (Adj.)

Mr. Yannis Kotsifos, Adjunct Instructor (Communication, Journalism)
BA, School of Philology, Faculty of Philosophy, Aristotle University of Thessaloniki; Director, Journalists Union of Macedonia and Thrace Daily Newspapers; MA in Digital Media, Communication and Journalism, Aristotle University of Thessaloniki, School of Journalism and Mass Communication (Adj)

Ms. Kalliopi Lampa, Adjunct Instructor (Psychology)
BSc (Hons) Psychology, University of Essex, Colchester Essex, UK; PG Diploma in Developmental Neuropsychology, University of Essex, Colchester Essex, UK (Adj.)
Ms. Daphne Lamprou, Adjunct Instructor (Art History)
BA Art History, University of Akron; MA Art History, Kent State University

Dr. Tina Mavrikos-Adamou, Adjunct Professor (Political Science and International Relations)
BA Politics, New York University; MA Political Science, New School for Social Research; Ph.D., University of Edinburgh

Mr. Thomas Mikroulis, Adjunct Instructor (Digital Content & Storytelling)
Diploma in Civil Engineering, Aristotle University of Thessaloniki, Greece; MSc in Transport & Business Management, Imperial College London

Dr. Lambrini Nassis, Adjunct Professor (Political Science and International Relations)
BA Political Science, Hunter College; JD Law, Brooklyn Law School (Adj)

Ms. Sophia Nikopoulou, Adjunct Instructor (English)
Postgraduate Diploma in Educational Leadership, University of Edinburgh, Moray House School of Education, UK; MA in Arts and Humanities, External Degree Program, California State University, Dominguez Hills, USA; BA in English Language, Literature and Linguistics, Aristotle University, Thessaloniki, Greece (Adj)

Ms. Anastasia Panidou, Adjunct Instructor (Psychology)
BA Psychology, Aristotle University of Thessaloniki; MSc Child and Adolescent Psychology, Leiden University

Mr. Panayiotis Pantzarelas, Adjunct Instructor (Modern Greek)
BA Greek Philology; MA Comparative Literature, Aristotle University of Thessaloniki (Adj.)

Dr. Nikolaos Petridis, Adjunct Professor (Psychology)
BSc in Economic science, Department of Economics, University of Macedonia; MSc in Economic Management – International and European Economics, Department of Economics, Aristotle University of Thessaloniki; PhD Applied Statistics, Department of Economics, Aristotle University of Thessaloniki

Dr. Maria Psoinos, Adjunct Professor (Psychology)
BA Psychology, University of Thessaloniki ; MA, Ph.D. Social Psychology, University of Cambridge (Adj)

Dr. Kristi Poppi, Assistant Professor
BSc Psychology, University of Crete; MSc (Merit) Child and Adolescent Mental Health, PhD Psychology, City University, London (Reg)

Ms. Kristen Skinner, Adjunct Instructor (English)
BA Applied Linguistics, Georgia State University, Atlanta; MA in English Linguistics, University of Tubingen, Tubingen, Germany (Adj.)

Ms Elisavet Tsakiroglou, Adjunct Instructor (English)
BA in Literature with Spanish, University of Hertfordshire, UK; MSc in TESOL and CALL, University of Stirling, Scotland, UK; Postgraduate Certificate in Education, Institute of Education, University of London, UK (Adj)

Dr. Vasiliki Vergouli, Adjunct Professor (Humanities)
BA, MA, Ph.D. Philosophy, University of Patras, Greece (Adj.)

Dr. David Wisner, Professor (Political Science and International Relations), Executive Director, Michael and Kitty Dukakis Center for Public and Humanitarian Service
BA Philosophy, University of South Florida; PhD Modern History, University of Rochester (Reg)

GOALS AND OBJECTIVES

MISSION

The Division of Humanities and Social Sciences offers a solid liberal arts underpinning to ACT's academic and professional programs and provides introductory and advanced education in all areas of the humanities and social sciences, with undergraduate programs of distinction in English, Political Science and International Relations and Psychology, minors and special certificate programs in select fields.

The principal mission of the Division is to assist students to master and integrate different modes of knowledge and experience in order to communicate effectively, solve problems, resolve conflict, express new ideas creatively and professionally. It also aims to challenge youth to cultivate personal integrity and respect for diversity.

Teaching and research strengths within the division include: communication and media studies, literature, and language teaching methodology; history, politics, gender and European studies; applied and counseling psychology; cultural studies.

Division alumni have been admitted for postgraduate study, often as scholarship recipients, in the most prestigious universities in Europe and North America, including Oxford, Cambridge, LSE, St Andrew's, King's, HEI Geneva, the College of Europe, Johns Hopkins SAIS, Georgetown, the Fletcher School, Columbia, and the University of Texas at Austin, while some of our American alumni have gone on to law school after studying at ACT. Many have worked or are now working in ministries of foreign affairs and other public entities, communication sectors and the teaching profession, leading international NGOs, colleges and universities of repute, and MNCs worldwide.

THE MICHAEL AND KITTY DUKAKIS CENTER FOR PUBLIC AND HUMANITARIAN SERVICE

Launched in September 1999 and named after the former Governor and First Lady of the Commonwealth of Massachusetts, the MICHAEL AND KITTY DUKAKIS CENTER FOR PUBLIC AND HUMANITARIAN SERVICE is one of the premier centers for public affairs and international diplomacy in Southeast Europe.

The Dukakis Center provides undergraduate training leading to ACT's renowned BA in Political Science & International Relations, offers opportunities for internships and experiential learning, and organizes a variety of activities and events annually on topics ranging from US foreign policy, EU and NATO enlargement, sustainable development, corporate governance, environmental policy, and historical remembrance. The common thread in these activities is a commitment to inspire youth to take active roles in public affairs.

LUCY CENTER FOR BALKAN STUDIES

The Lucy Center for Balkan Studies was established in 2004 thanks to a generous donation from ACT friend and trustee, Elias Kulukundis, and named after his late wife Lucy. The Center was created to facilitate the formal study of Southeast European affairs, particularly for undergraduate study abroad students spending a semester or academic year at ACT.

Students studying at the Center have the opportunity to do formal coursework in Balkan Studies, participate in study trips throughout the region, and, in select cases, undertake formal internships in regional organizations.

The Center for Balkan Studies also acts as a clearinghouse for information about the Balkans and the Aegean Basin, and as a forum for debate on regional issues. In particular, a lecture series has been established for discussion of such important topics as civil society, democratization, and European and transatlantic integration.

GRADUATE PROGRAMS AT THE HSS DIVISION

The graduate Programs offered by ACT include comprehensive Full Time / Part Time graduate programs.

GRADUATE PSYCHOLOGY PROGRAM

MS IN INDUSTRIAL/ORGANIZATIONAL (I/O) PSYCHOLOGY

ACT's flexible, 15-month MS in Industrial Organizational Psychology features a strong emphasis on coaching and is aimed at those wishing to turn their experience into expertise, and expertise into leadership. Students will study organizational leadership and change, conflict resolution and management but they will combine such courses with positive psychology and well-being, creating more positive and more profitable workplaces for them and their clients and increasing their personal and professional well-being at the same time.

The new master in I/O psychology will help you discover the trends and best practices, learn how to increase your emotional intelligence and market it to advance your career in all areas of business, industry, consulting, government, health and education.

Major Aims

The new MS in Industrial/Organizational (I/O) Psychology aims to develop the knowledge, skills and personal qualities of the participants in order to be effectively employed in the field of I/O psychology. Participants will be able to analyze and evaluate contemporary issues and deal with current challenges. The program provides an integrated learning environment which enables participants to increase their potential.
Intellectual, technical and transferable skills are taught through engagement in a variety of teaching and learning resources, such as lectures, presentations, video conferences, site trips, visits and internships.

Major Objectives
The program's major objectives are the following:

- Design, conduct, and evaluate organizational research projects
- Conduct and translate psychological information into non-technical terms
- Design and evaluate training programs
- Assess the impact of motivation, job stress, leadership and other constructs of work behavior
- Build effective work groups through job analysis, group development and worker participation
- Analyze and design organizational change strategies
- Develop employee selection and job placement criteria
- Manage employee and organizational conflict
- Provide a stimulating study environment
- Offer continuing professional development to participating students
- Motivate participants to explore their career opportunities in the industrial/organizational psychology area

The teaching mode will be a combination of theory and practice in class with a hybrid work-compatible delivery format combining online instruction with on-campus Friday teaching sessions.

What we offer
A highly flexible Master's program that is tailored to your needs:

- Master's program you can complete in15 months.
- 3 out of the 10 courses are offered fully online.
- Cutting-edge courses such as positive psychology and well-being, coaching and sports coaching
- An interdisciplinary program inviting eager learners and professionals from various walks of life
- A focus on cultivating a new mindset for new results
- An important management and life skill that will help you become more self-reliant and communicate more effectively
- Hands-on experience through internship opportunities as part of the curriculum

Program duration & Curriculum
- The duration of the whole program could vary from a15-month period,for those attending on a full-time basis to a more flexible duration for those selecting a part-time basis
- The suggested curriculum includes a total of 36 credits, a total of ten (10) courses, including the thesis and the internship courses.

For further information about graduate applications:
Enrolment Management Office
Bissell Library, First Floor, 2310-398398
Email: admissions@act.edu

MS IN INDUSTRIAL/ORGANIZATIONAL (I/O) PSYCHOLOGY - PROGRAM OF STUDY

Academic Term 1:	PSY 501: Introduction to Industrial/Organizational Psychology PSY 520: Positive Psychology & Well-being Coaching
Academic Term 2:	PSY 505: Psychological Testing & Measurement MBA STAT 505: Applied Statistics for Business Decisions (cross-listed course)
Academic Term 3:	MBA-MNGT 521: Organizational Leadership & Change (cross-listed course) PSY 510: Psychology of Group Dynamics
Academic Term 4 & Summer Term:	PSY 540: Internship PSY 550: Thesis
Academic Term 5:	MBA MAN 433: Conflict Management & Resolution (cross-listed course)

Elective courses (Academic Term 4 or 5)	PSY 515: Emotional Intelligence in the Workplace PSY 525: Executive Coaching & Leadership Mentoring PSY 530: Sports Coaching PSY 570: Trauma Informed Practices in Education

GRADUATE PSYCHOLOGY COURSES

Psychology 501: Introduction to Industrial/Organizational Psychology
This course is designed to introduce you to the field of I/O psychology. The emphasis is on the psychological principles and how they apply in a work context. Topics will include legal issues in employment, selection of employees, performance appraisal, training, leadership, motivation, and group behavior. This course will navigate each of these topics in turn, to provide learners an overview of the broad field that is I/O psychology. Learners will acquire and strengthen their skills as both scholars and practitioners as we blend scientific research with practical application to extend our knowledge of I/O and apply that knowledge to further our learning, inform science, and increase personal effectiveness and success.

Psychology 505: Psychological Testing & Measurement
This course will introduce students to the principles of psychological assessment as employed in diverse settings and will address psychometric concepts such as validity, reliability, norms, and score interpretation. Surveys intelligence, personality, career, interest, aptitude, and achievement tests and reviews alternative methods of assessing competence and person-situation interactions. Contemporary issues such as the validity of instruments for diverse populations and the impact of technology on assessment are discussed.

Psychology 510: Psychology of Group Dynamics
This course is designed to be an interactive exploration of group dynamics and leadership. Through the introduction of current theories and models, students will learn to work effectively in groups, increase their understanding of leadership, make effective decisions, and stimulate the development of new skills through demonstration and practice. Readings, discussions, reflections, and experiential activities will examine self-development and understanding, group dynamics, change, ethics, and teamwork. Students will use experiences in groups and teams to provide raw materials for discussion of class material.

Psychology 520: Positive Psychology & Well-being coaching
Positive Psychology is the scientific study of the strengths and virtues that enable individuals and communities to thrive. There is a growing interest in Positive Psychology and its benefits to professionals in health care, teaching, criminal justice, human resources and social services. Positive Psychology focuses on how to live a meaningful and fulfilling life, cultivate what is best within people, and enhance people's experi- ences of love, work, and play. Students will be educated on evidence-based interventions designed to enhance well-being, resilience, change, mindfulness, realistic optimism, addiction, self-respect, positive behavior and workplace satisfaction.

Psychology 540: Internship

The practical application of theory taught is of utmost importance for this program. The internship course will play a catalytic role in combining and integrating all acquired knowledge and experiences during the academic program. Participants are expected to demonstrate their full potential and contribute into the firms' everyday operations, as well as offer their expertise to the management. In addition, the internship course is expected to further develop their determination to work and succeed in the future.

Psychology 550: Thesis course
This is the concluding course of the program. All participants will have to produce a paper on a topic of their choice under the supervision of an assigned faculty. In the end, each participant is expected to support their submitted thesis in front of a committee of the faculty. Each student will be assigned a faculty member who will serve as the thesis advisor. Specific guidelines are set out via the Thesis Guide document regarding the way the paper should be organized and structured. Each student has continuous interaction with his/her advisor, either in person or via email, in order to work step by step with the thesis. All proposals will be reviewed by ACT's Institutional Review Board.

Psychology 515: Emotional Intelligence in the workplace
Emotional Intelligence (also referred to as EI and EQ) is about an individual's ability to recognize and regulate their own emotions and the emotions of others in order to achieve their goals. This course will explore various models of EQ, the ethics of incorporating EI assessments and training in various situations, criticisms of the EQ concept and components of EI, and how to strengthen your own Emotional Intelli- gence. By learning about EQ, you can better determine whether or not your business or company would benefit from EQ training, learn how to strengthen your own EI skills, and understand the relationship between personality and Emotional Intelligence as well as the role that EI plays in those with personality or psychiatric disorders and those on the autism spectrum.

Psychology 525: Executive coaching and leadership mentoring
This course examines the links between executive coaching and leadership mentoring with an emphasis on coaching skill development. Students will learn about the role of self as a coach and instrument of change, study coaching within systems dynamics, and understand how to create productive and fulfilling relationships in the coaching role.Students will have the opportunity to connect with other senior-level professionals while learning through a combination of interactive classroom instruction, reading, self-reflection, and hands-on practice in individual and group & team coaching.

Psychology 530: Sports Coaching
Students will learn the theories that underpin the different approaches to sports coaching and learn to evaluate a range of different coaching techniques. Students will be introduced to different coaching styles and coaching pedagogy, practice and employability, either to build on their current coaching skills or to help them improve the way they communicate with others. They will also gain an understanding of anatomy and physiology, the interdependence of fundamental physiological systems, and how these relate to the work of the coach.

Psychology 570: Trauma Informed Practices in Education
This course will introduce students to the concept of trauma and build foundational awareness of trauma-informed approaches. Students will learn how to incorporate key trauma principles into a given organizational culture and provide specific interventions to address the consequences of trauma. Apart from the educational environments, the course will refer to a range of disciplines and professional settings and present the benefits of creating trauma informed workplaces.

UNDERGRADUATE PROGRAMS AT THE HSS DIVISION

The Division of Humanities and Social Sciences offers the following undergraduate academic programs:

Degree Programs
- Bachelor of Arts in English, Concentrations in Language & Literature and Communication & New Media
- Bachelor of Arts in International Relations
- Bachelor of Science in Psychology
- Minor in Diplomacy and International Relations (for non-IR majors only)
- Minor in Communication Studies (for non-English majors only)
- Minor in English (for non-English majors only)
- Minor in Psychology (for non-Psychology majors only)

Certificate Programs
- Geopolitics and Strategy
- NGO Management
- Hellenic Studies
- Teaching English as a Foreign Language (TEFL)
- Resilience and Wellbeing
- Sports coaching
- Content Writing and the Digital Landscape

DEGREE PROGRAMS

BACHELOR OF ARTS IN ENGLISH

The Bachelor of Arts in English offers a synthesis of traditional and contemporary course content. Students may choose between two different concentrations, Language & Literature or Communication & New Media. The program aims to provide students with vital knowl- edge in the subject areas of literature, social media and communication, linguistics, and culture; cultivate students' analytical and creative skills for intellectual and professional purposes; enable them to explore the evolution of English studies as it intersects a variety of academic disciplines; help them become more astute readers, writers, thinkers, and communicators; challenge them to operate more effectively in multicultural, interdisciplinary environments, both as students and future professionals; and inspire confidence, open-mindedness, and personal and professional success.

Degree Requirements
In order to receive the BA degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A. of 2.0 or better. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in English is currently validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

English 101: Composition I English 102: Composition II
English 120: Introduction to Literature (OU)
English 203: Advanced College English Skills
English 224: Post World War II British and American Drama (OU)

Language & Literature Concentration: Required Courses
English 210: Creative Writing (OU)
English 235: Introduction to Literary Theories and Criticism (OU)
English 259: Postcolonial Literature (OU)
English 268: Women and Literature (OU)
English 273: Introduction to Linguistics (OU)
English 274: Applied Linguistics in Theory and Practice (OU)
English 299: Teaching Approaches and Methods Past and Present (OU)
English 230: British Literature and Culture (OU)
English 250: Advanced Writing and Professional Communication (OU)
English 320: The Other in Literature and Media (OU)
Eng/Hum 246: American Literature and Culture (OU)
Comm 327: Research Methods and Practice (OU)
English 325: Pedagogical Foundations in Second Language Acquisition (OU)
English 340: Comparative Literature (OU)
English 380: The Business of Literature (OU)

Language & Literature Concentration: Major Elective Courses (5 of the following)
Any of the following:

English 221: Short Fiction (OU)
English 275: Sociolinguistics: Introduction to Language and Society (OU)
English 220: Introduction to Twentieth Century Poetry and Drama (OU)
Comm 127: Communication, Culture and Society (OU)
His 201: Women in Modern Times (OU)
Soc Sc 210: Introduction to Global Studies and Human Geographies (OU)
CS 206: Web Development (OU)
English 292: Literature, Art and Culture in language education (OU)
English 284: Literature through Performance (OU)
English 350: Semiotics and Discourse Analysis: Writing for Social Change (OU)
Hum 221: History on Film/Film on History (OU)
Comm 217: Media in Transition (OU)
CS 206: Web Development (OU)
CS 306: Advanced Web Development (OU)
English 370: Literature and Film (OU)
English 310: Design and Evaluation of Teaching and Assessment Materials (OU)
Mkt 324: E-Marketing (OU)
CS 219: Video Game Design with Unity and 3ds Max (OU)

Marketing 324: E-Marketing (OU)
SocSc 210: Introduction to Global Studies and Human Geographies (OU)
Pract 300 (OU)

Communication & New Media: Major Elective Courses (5 of the following)
Any of the following:

- English 221 Short Fiction (OU)
- English 275 Sociolinguistics: Introduction to Language and Society (OU)
- English 220 Introduction to Twentieth Century Poetry and Drama (OU)
- Comm 127 Communication, Culture and Society (OU)
- His 201 Women in Modern Times (OU)
- Soc Sc 210 Introduction to Global Studies and Human Geographies (OU)
- CS 206 Web Development (OU)
- English 292 Literature, Art and Culture in language education (OU)
- English 284 Literature through Performance (OU)
- English 350: Semiotics and Discourse Analysis: Writing for Social Change (OU)
- Hum 221 History on Film/Film on History (OU)
- Comm 217 Media in Transition (OU)
- CS 206: Web Development (OU)
- CS 306 Advanced Web Development (OU)
- English 370 Literature and Film (OU)
- English 310 Design and Evaluation of Teaching and Assessment Materials (OU)
- Mkt 324 E-Marketing (OU)
- CS 219 Video Game Design with Unity and 3ds Max (OU)
- Marketing 324: E-Marketing (OU)
- SocSc 210: Introduction to Global Studies and Human Geographies (OU)
- Pract 300 (OU)

OR any of the above Required Courses not selected OR courses in the Concentration Language and Literature.

Free Electives: Three (3)

Other Degree Requirements:

English 390 Senior Thesis I (OU)
English 395 Senior Thesis II (OU)

Suggested Program of Studies

BA in English.
Concentration: Communication & New Media

Year One:
English 101
History 120
Politics 101
Philosophy 101
Computer Science 101
Math 100
Economics 101 or 102
English 102
English 120 (OU)
Biology 101 or Ecology 110 or Nutrition 130

Year Two (Level 4):
English 203
English 224 - Post World War II British & American Drama (OU)
English 250 - Advanced Writing and Professional Communication (OU)
Comm 215 - Foundations of Contemporary Media (OU)
Comm 219 - Introduction to Film Studies (OU)
English 210 Creative Writing/Major Elective (OU)
Computer Science 108- Digital Tools for the Humanities Anthropology 101 or Sociology 101 or Psychology 101
Free Elective
Major Elective
Comm 270 - Digital Content and Storytelling (OU)
European Studies 210 (OU)
Science GER

Year Three (Level 5):
English 230 - British Literature and Culture (OU)
English Hum 246 - American Literature and Culture (OU)
Philosophy 203
Free Elective Major Elective
Comm 315 - Intercultural Understanding and Communication (OU)
Marketing 200/Marketing 214/Soc Sc.215 (OU)
Comm 233 - Introduction to Journalism (OU)
Comm 327 - Research Methods and Practice (OU)
Major Elective

Year Four (Level 6):
English 390 - Senior Thesis I (OU)
English 320 - The Other in Literature and Media (OU)
Comm 317 - Communicating through New Media (OU)
Free Elective
Major Elective
English 395 - Senior Thesis II (OU)
Comm 227 - Media Theory (OU)
Comm 345 - Media Ethics in the Digital Age (OU)
Free Elective
Major Elective

Suggested Program of Studies

BA in English.
Concentration: Language and Literature

Year One:
English 101
History 120
Politics 101
Philosophy 101
Computer Science 101
Math 100
Economics 101 or 102
English 102
English 120 (OU)
Biology 101 or Ecology 110 or Nutrition 130

Year Two (Level 4):
English 203
English 224 - Post World War II British and American Drama (OU)
English 235 - Introduction to Literary Theories and Criticism (OU)
English 273 - Introduction to Linguistics (OU)
Computer Science 108 - Digital Tools for the Humanities Anthropology 101 or Sociology 101 or Psychology 101 English 210 - Creative Writing (OU)
Major Elective
English 250 - Advanced Writing and Professional Communication (OU)
English 299 - Teaching Approaches and Methods Past and Present (OU)

Year Three (Level 5):
English 230 - British Literature and Culture (OU)
English Hum 246 - American Literature and Culture (OU)
English 274 - Applied Linguistics in Theory
and Practice (OU) Philosophy 203
Free Elective
English 268 - Women and Literature (OU)
English 325 - Pedagogical Foundations in
Second Language Acquisition (OU)
Major Elective
Comm 327- Research Methods and Practice (OU)
Major Elective

Year Four (Level 6):
English 390 - Senior Thesis I (OU)
English 320- The Other in Literature and Media (OU)
English 380- The Business of Literature (OU)
Free Elective
Major Elective
English 395 - Senior Thesis II (OU)
English 259 - Postcolonial Literature (OU)
English 340 - Comparative Literature (OU)
Free Elective
Major Elective

BACHELOR OF ARTS IN POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

ACT's renowned BA in PS&IR features a dynamic contemporary student-centered civic education. It trains youth for leadership roles in regional and international affairs and contributes meaningfully through academic instruction, applied research, and professional outreach, The program of studies is particularly strong in American and EU politics, international law and organizations, gender, globalization, and contemporary Balkan and Aegean affairs.

Students majoring in PS&IR have ample opportunities to interact directly with senior practitioners in public affairs under the auspices of the Michael and Kitty Dukakis Center for Public and Humanitarian Service and the Lucy Center for Balkan Studies. Our graduates have had outstanding success in post-graduate study, gaining admission to the most prestigious European and American universities, and experiencing success at the highest levels of professional life.

Degree Requirements
In order to receive the BA degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.PA of 2.0 or better. All PS&IR students take a two-semester sequence Senior Thesis I and II course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses. 77

Open University degree structure: The program in Political Science and International Relations is currently validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements
a. PS&IR requirements
Politics 201 Introduction to Political Science and International Relations: Theories and Issues (OU)
Politics 202 Political Theory (OU)
Politics 306 Contemporary Development Issues (OU)
Politics 301 War and Human Security in the Modern World (OU)
Politics 350-351 Senior Thesis (2 course sequence)--OU
European Studies 210 Foundations of European Integration (OU)
History 201 Women in Modern Times (OU)
History 221 Modern World History (OU)
History 331 Modern Greek History (OU)
Politics 207 Modern Greek Politics and Issues in Greek foreign policy (OU)
Politics 233 International Law and Organisations (OU)
Social Science 210 Introduction to Global Studies and Human Geographies (OU)
Social Science 349 Contemporary Globalization (OU)
Economics 101 Introductory Macroeconomics (OU)

Politics 230 Comparative Politics (OU)
English 250 Advanced Writing and Professional Communication (OU)
Research 210 Research Methods and Analysis (OU)

b. Three 200-level PS&IR electives (Level 5; see list below)

c. Three 300-level PS&IR electives (Level 6—see list below)

d. Other requirements
Three free electives (to be chosen in concert with an academic advisor)

Suggested Program of Studies

Year One:
English 101
Math 100
Philosophy 101
History 120
Politics 101
English 102
CS 101
Anthropology 101, Psychology 101 or 204, or Sociology 101
Social Science 210 (OU)
Politics 201 (OU)

Year Three (Level 5):
Politics 207 (OU)
Politics 202 (OU)
PS&IR Elective (200-level)(OU)
PS&IR Elective (200-level)(OU)
Philosophy 203
History 221 (OU)
Politics 306 (OU)
Politics 233 (OU)
PS&IR Elective (200-level) (OU)
Free Elective

Year Two (Level 4):
English 203
Economics 101(OU)
English 120, Art 120 or Art 121, or Music 120
Research 210 (OU)
Free Elective
Politics 230 (OU)
English 250 (OU)
History 201 (OU)
European Studies 210 (OU)
Science GER

Year Four (Level 6):
Social Science 349 (OU)
Politics 350 (Senior Thesis I)(OU)
History 331 (OU)
PS&IR Elective (300-level)(OU)
GER elective
Politics 301 (OU)
Politics 351 (Senior Thesis II)(OU)
PS&IR Elective (300-level)(OU)
PS&IR Elective (300-level)(OU)
Free Elective

200-level PS&IR electives (OU Level 5) may be selected from among the following:
Humanities 221 Film in History, History in Film (OU)
Politics 229 The US Federal Government (OU)
Social Science 215 Studies in Media and Contemporary Society (OU)
Politics 240 International Migration (OU)
Politics 250 Politics and New Technologies (OU)

300-level PS&IR electives (OU Level 6) may be selected from among the following:
Politics 304 Women, Power, and Politics (OU) Politics 332 Human Rights (OU)
Politics 332 Human Rights (OU)
Politics 333 Diplomacy (OU)
Politics 334: Global Security Challenges (OU)
Social Science 323 Race and racisms (OU)
Practicum 300 (OU)

Cross-listed business courses from the OU-validated BA and BS degree programs offered at ACT may be taken as PS&IR electives with permission of academic advisor
Level 5
English 350: Advanced Writing for Social Change (cross listed with the English program)
English/Hum 246: American Literature and Culture (cross listed with the English program)
Comm 315: Intercultural Understanding and Communication (cross listed with the English program)
Management 307 Negotiation and Conflict Resolution (cross listed with the Business program)
Level 6
Psychology 330 - Psychology of immigration (cross listed with the Psychology program)
ENG 320- The Other in Literature and Media (cross listed with the English program)
Management 308 Leadership Development (cross listed with the Business program)
Management 460 Contemporary Project Management (cross listed with the Business program)

BACHELOR OF SCIENCE IN PSYCHOLOGY

ACT's B.Sc. Hons in Psychology is designed to be a novel and contemporary programme up to date to the academic and professional trends. It is based on prevalent UK and US standards like all other ACT undergraduate programs. It is characterized by a firm grounding in the disciplinary foundations to the Psychology degree, such as theory, main concepts, methods and debates in psychology. Further requirements familiarize the students with clinical, developmental, educational, counseling, experimental, social, forensic psychology and neuroscience. They also comprise practical experience of designing and carrying out psychological research, as well as evaluating and reporting its results. Students learn to work with data, synthesize hypotheses and use information technology. As a capstone project, students are required to write a senior thesis spread across two terms. The core programme focus is complemented by the Psychology (Major) electives students will take in their final two years in residence, which in turns have a theoretical, practical, and professional character.

Degree requirements
In order to receive the BSc degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A of 2.0 or better. All Psychology students take a two-semester sequence Senior Thesis I and II course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University Degree Structure: The programme in Psychology is validated by Open University: under this scheme, 24 are out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements).

Major requirements
History 201 – Women in Modern Times (OU)
Psychology 101 – Introduction to Psychology
Psychology 120 - Developmental Psychology I (Pre-natal and pre-school years) (OU)
Psychology 121 - Developmental Psychology II (Child to Adulthood) (OU)
Psychology 130 – Cognitive Psychology (OU)
Psychology 150 - Psychophysiology of Behavior (OU)
Psychology 202 - Personality Theories (OU)
Psychology 204 - Social Psychology (OU)
Psychology 205- Research methods and Statistics (OU)
Psychology 206- Research methods and Qualitative Analysis (OU)
Psychology 211- Historical, Philosophical & Research Foundations of Psychology (OU)
Psychology 218 - Clinical Psychology I: Psychopathology (OU)
Psychology 221 - Neuropsychology (OU)
Psychology 250 – Psychopharmacology (OU)
Psychology 305- Counselling and Psychotherapy (OU)
Psychology 350 - Senior Thesis I (OU)
Psychology 351 - Senior Thesis II (OU)
Psychology 400 - Clinical Psychology II: Psychological Assessment (OU)

Major Elective Courses (One of the following at Level 4)
Psychology 170-Personal Development and Employability (OU)
English 250-Advanced writing and Professional Communication (OU)

Major Elective Courses (Two of the following at Level 5)
Psychology 200-Adulthood & Aging (OU)
Psychology 215 - Positive Psychology (OU)
Psychology 240 - Forensic Psychology (OU)
Psychology 255 - Sports Psychology (OU)
Management 307-Negotiation & Conflict Resolution

Major Elective Courses (Four of the following at Level 6)
Practicum 300
Psychology 303 - Educational Psychology: Inclusive & Special Education (OU)
Psychology 310 –Organizational psychology (OU)
Psychology 320 – Dialectical therapy (OU)
Psychology 330 - Psychology of immigration (OU)
Psychology 340 - Psychology of addiction (OU)
Psychology 360-Advanced Applied Statistics for Psychologists (OU)
Psychology 370-Psychology of Trauma (OU)
Management 310-Human Resource Management & Growth

Other Degree Requirements
2 Free electives (to be chosen in concert with the academic advisor)

Suggested Program of Studies (GER means General Education Requirement)

Year One (GER and Level 4)

English 101 – Composition I (GER)
English 102 - Composition II (GER)CS 101– Introduction to Computing (GER) Psychology 101
English 120, Art 120 or Art 121, or Music 120 (GER)
English 203 –Advanced College English Skills (GER)
Math 100 – Mathematics for Decision Making (GER) or Math 101-Elements of Finite Mathematics (GER)
History 120 – The Modern World (GER)
Politics 101 – Contemporary Politics (GER)
Philosophy 101 – Introduction to Philosophy and Critical Reasoning (GER)
Introduction to Psychology (GER)
Psychology 120 - Developmental Psychology I (Pre-natal and pre-school years) (OU)
Psychology 121 - Developmental Psychology II (Child to Adulthood) (OU)
Psychology 130 - Cognitive Psychology (OU)
Psychology 150 - Psychophysiology of Behavior (OU)
Psychology 204 - Social Psychology (OU)
Psychology 211- Historical, Philosophical & Research Foundations of Psychology (OU)
History 201 – Women in Modern Times (IR) (OU)
Science (Biology 101 or Biology 112) (GER)
One course from The Sciences or Social Sciences (see Groups II and III, pp13-14)
1 Psychology Elective (level 4; see appended list) (OU)

Optional module (Major electives) Level 4 may be selected from among the following:

Psychology 170-Personal Development & Employability (OU) or English 250 – Advanced writing and Professional Communication (English) (OU)

Year Three (Level 5)

Economics 101 – Introduction Macroeconomics (GER) or Economics 102 – Introduction Microeconomics (GER)
Philosophy 203 - Ethics (GER)
Psychology 202 - Personality Theories (OU)
Psychology 205 - Research methods and Statistics (OU)
Psychology 206 - Research methods and Qualitative Analysis (OU)
Psychology 221 - Neuropsychology (OU)
Psychology 250 – Psychopharmacology (OU)
Psychology 218 - Clinical Psychology I: Psychopathology (OU)
Two Psychology Electives (level 5; see appended list) (OU)
1 free elective

Year Four (Level 6)

Psychology 305- Counselling and Psychotherapy (OU)
Psychology 350 - Senior Thesis I (OU)
Psychology 351 - Senior Thesis II (OU)

Psychology 400 - Clinical Psychology II: Psychological Assessment (OU)
4 Psychology Electives (level 6; see appended list) (OU)
1 Free elective

Optional modules (Major electives) Level 4 may be selected from among the following:
Psychology 170-Personal Development & Employability (OU)
English 250 – Advanced writing and Professional Communication (English) (OU)

Optional modules (Major electives) Level 5 may be selected from among the following:
Psychology 200-Adulthood & Aging
Psychology 215 - Positive Psychology
Psychology 240 - Forensic Psychology (OU)
Psychology 255 - Sports Psychology
Management 307-Negotiation & Conflict Resolution

Optional modules (Major electives) Level 6 may be selected from among the following:
Practicum 300
Psychology 310 –Organizational psychology
Psychology 303 - Educational Psychology: Inclusive & Special Education
Psychology 320 – Dialectical therapy
Psychology 330 - Psychology of immigration
Psychology 340 - Psychology of addiction
Psychology 360- Advanced Applied Statistics for Psychologists
Psychology 370- Psychology of Trauma
Management 310-Human Resource Management & Growth

Minors

Minor in Diplomacy and International Relations
(for non-IR majors only)

- Politics 201
- Politics 233
- European Studies 210

and then three additional PS&IR electives (to be selected in consultation with a PS&IR advisor) from the ones below::

- Politics 101
- History 201
- Politics 230
- History 221
- History 331
- Politics 207
- Politics 240
- Politics 304
- Politics 301

- Politics 332
- Politics 334
- Soc sc 349
- Soc sc 210
- Politics 250

**Students may take Politics 101 as both a General Education Requirement and an International Relations elective.*

Minor in Communication Studies

(for non-English majors only)

- Comm 215 Foundations of Contemporary Media
- Comm 317 Communicating Through New Media

Four elective courses from the following:

- Comm 233 Introduction to Journalism
- Comm 227 Media Theory
- Comm 219 Introduction to Film Studies
- Comm 270 Digital Content and Storytelling
- Comm 315 Intercultural Understanding and Communication
- Mktg 200 Public Relations
- Mktg 214 Advertising
- Anth 349 Intercultural Communication
- Hum 221 Film on History/History on Film
- English 350 Advanced Writing/Writing for Social Change
- English 250 Advanced Writing and Professional Communication

Minor in English

(for non-English majors only)

- English 120: Introduction to Literature
- English 224 Post World War II British and American Drama or English 221 Short Fiction
- English 230 British Literature and Culture or Eng/Hum 246 American Literature and Culture

Three elective courses courses from the following

- English 259 Postcolonial Literature
- English 268 Women and Literature
- English 340 Comparative Literature
- English 235 Introduction to Literary Theories and Criticism
- English 350 Advanced Writing/Writing for Social Change
- English 210 Creative Writing
- English 320 The Other in Literature and Culture
- English 380 The Business of Literature

Minor in Psychology

(for non-Psychology majors)

- Psychology 101: Introduction to Psychology
- Psychology 204: Social Psychology (OU)
- Psychology 205: Research Methods & Statistics (OU)

And three of the following:

- Psychology 130: Cognitive Psychology (OU)
- Psychology 206: Research Methods & Qualitative Analysis (OU)
- Psychology 215: Positive Psychology (OU)
- Psychology 303: Educational Psychology: Inclusive & Special Education (OU)
- Psychology 310: Organizational Psychology (OU)
- Psychology 320: Dialectical Therapy (OU)
- Psychology 340: Psychology of Addiction (OU)
- Psychology 370: Psychology of Trauma (OU)

CERTIFICATE PROGRAMS

Comprised of four courses, ACT Certificate Programs offer the opportunity for the development of a 'skills set' in a field of choice.

Geopolitics and Strategy

- Soc Sc 349 Contemporary Globalization
- Pol 301 War and Human Security in the Modern World
- Management 341 Business in Greece and the EU
- Pol 334 Global Security Threats

NGO Management

- Pol 233 International Law and Organisations
- Mrkt 200 Principles of Public Relations
- Phil 203 Ethics
- Marketing 324 E-marketing

Certificate Program in Hellenic Studies

ACT offers to non-degree students the opportunity to gain a broader understanding of the rich heritage of Hellenism, both ancient and modern. Courses are taught by leading practitioners throughout the academic year, including during accelerated summer sessions. The certificate program consists of four courses one of which can be the language course, and study trips organized by the Office of Academic and Student Affairs.

Hellenic Studies courses include the following:

- one from: Greek 101, Greek 104, 201, 202 (as the language course) and three from:
- History 231, 232, 301
- Humanities 120, 209
- Politics 207
- Art History 121, 220, 221, 224
- Music 120

Certificate Programs in Teaching English as a Foreign Language (TEFL)

ACT offers intensive TEFL programs at an Introductory and Advanced level. The Introductory Program is open to beginners with little formal teacher training, and university students or graduates, while the Advanced level program is aimed at relatively experienced teachers. For both programs, a good command of the English language at a proficiency level is expected. The programs offer participants a solid grounding in current approaches to teaching English as a foreign language, with an emphasis on practical applications in classroom settings.

Guided by an expert team of highly qualified TEFL instructors currently teaching at ACT, participants in the introductory program are taught to develop lesson plans, manage a classroom, design teaching materials for particular age groups, and teach grammar, listening/speaking, reading/writing and vocabulary.
The advanced program is aimed at teachers with some classroom experience who wish to enhance their teaching effectiveness, as well as those teachers who seek practical experience and new ideas for creative teaching. Participants in the advanced level course acquire a deeper understanding of both the theory and practice of teaching English as a foreign language. Building on the participants' prior knowledge of the standard components of an introductory TEFL program, the advanced program addresses more specialized areas of the field such as educational technology, teaching through literature, the age factor in teaching, testing and evaluation and other field-related modules.

Participants in both programs will have the opportunity to observe English classes being taught at Anatolia College and practice teaching. The program is offered under ACT's Lifelong Learning Center.

Certificate program in Content Writing and the Digital Landscape

- Comm 270: Digital Content and Storytelling
- Comm 233: Introduction to Journalism
- Comm 317: Communicating through New Media
- English 210: Creative Writing

Certificate program in Wellbeing

This certificate will offer an understanding of a variety of topics including and it is designed for learners who wish to develop an appreciation of wellbeing. Improving individual wellbeing will also contribute to greater wellbeing in the teams and systems in which professionals work. Participants will receive individualized and interdisciplinary learning both in and outside the class with hands-on experiences.

The certificate program consists of four academic courses from the HSS Division (Psychology program):

- PSY 101: Introduction to Psychology
- PSY 215: Positive Psychology
- PSY 310: Organizational Psychology
- PSY 330: Psychology of immigration

UNDERGRADUATE COURSES

International Relations (History, Politics, European Studies, Public Service)

History 120: The Modern World
This course takes its point of departure in late eighteenth-century Europe during the period of the Enlightenment and the French Revolution, and concludes in the late twentieth century with the end of the Cold War and the immediate post-Cold War decade. Course materials integrate social, cultural, political, and economic approaches, as well as aspects of historiographical analysis, in order to facilitate study of both the foundations of the contemporary world and questions relating to historical representation. The course also provides coverage of significant global developments in the modern era. **May be taken as Social Sciences/Group C GER**

History 201: Women in Modern Times
An upper-level survey which studies the evolving conditions in which women have lived and worked in the western world from ca. 1750 to the present. A variety of types of evidence, from legal documents to art and literature, will be examined. Students will also be introduced to contemporary theoretical developments in the larger field of women's studies. **Required for all PS&IR majors. OU Level 4.**

History 221: Modern World History
This course examines global history from 1900's to the present, addressing key themes and trends in the political, cultural, social, and intellectual landscapes of the period. While emphasis will be on interpreting the century's historical trajectories, the course will also seek to historicize globalization, evaluate the concepts of globality and transnationalism, and study critical responses to globalization. **Required for all PS&IR majors. OU Level 5. Prereq: History 120**

History 230: Byzantine History
A survey of the political, institutional, religious and cultural history of the Byzantine Empire from the reforms of Diocletian and the conversion of Constantine up to the fall of Constantinople. Special attention will be paid to topics involving civilization, theological controversy, and the relations of the Empire with the Arabs, Slavs, and Western Europeans.

History 232: Thessaloniki: A City and its Inhabitants
Throughout its long history Thessaloniki has been home to many different peoples and cultures. The purpose of this course is to review the history of the city and to focus on the different ethnic communities which have inhabited it, including principally Greeks, Turks, Jews, and Armenians, among others. The course will consider the establishment of the city in Hellenistic times, its Roman and Byzantine periods, the impact of the Ottoman occupation, the coming of the Sephardic Jews, the effects of the Balkan and the two World Wars as well as those of the Holocaust on the city. It will include visits to such important cultural sites as the Archeological Museum, the Museum of Byzantine culture, the Jewish Museum of Thessaloniki, Roman antiquities and Ottoman buildings.

History 301: History of Ancient Greece
This course presents a survey of ancient Greek history from the Minoan through the Hellenistic period. The course follows a broad chronological account, but at the same time strongly emphasizes thematic trends and various aspects of social, economic and ideological history, including such institutions and values as political ideas, drama, city states, scientific and philosophical inquiry, trade, colonies, daily life, and gender. A variety of primary and secondary source materials will be employed to explore better who the ancient Greeks were and what their legacies have been.

History 331: Modern Greek History
The purpose of this course is to explore in detail some of the main themes in modern Greek history. The course will investigate such topics as immigration and refugees, war and its consequences, the right and the left in Greek politics, the city/country divide and the process of urbanization, and the Greek family and gender identity. The course will also examine modern poetry and literature, and traditional and modern forms of music. **Required for all PS&IR majors. OU Level 6. Prereq: History 120**

Politics 101: Contemporary Politics
The purpose of this course is threefold. First, it explores various dimensions of what political scientists call "governance" and what psychologists call "Machiavellian Intelligence," namely those instances in our daily lives where humans, by their very nature, engage in activity one might call "political." Second, the course examines different aspects of the formal, systematic study of political phenomena, commonly known as the academic discipline of political science. Finally, it considers basic elements of negotiation, from simple exchanges with neighbors to formal diplomatic relations in contemporary international relations. **GER requirement**

Politics 201: Introduction to International Relations: Theories and Issues
This course examines the key actors and issues in the field of international relations. It focuses in particular on various institutional, social, and economic issues of current interest. At the same time the course provides an introduction to the main classic and contemporary trends in international relations scholarship. **Required for all PS&IR majors. OU Level 4**

Politics 202: Political Theory
The purpose of this course is to introduce students to political ideas and their different interpretations in modern times. The course will also focus on various key themes and concepts, such as freedom, justice, rights, and sovereignty, and on classic modern schools of political thought. Emphasis will be given to expositions of theory in its historical, social, economic and political context. R**equired for all PS&IR majors. OU Level 5.**

Politics 207: The Modern Greek Nation-State
This course analyzes contemporary Greek society by exploring some of its institutions and structures as well as its sociopolitical practices. A thematic organization of the course allows for particular idiosyncrasies of the Greek state to be investigated in depth. Topics for examination are: the Modern Greek state structure, a civil society indicative of clientelism and populism, public administration and the role of political parties, the Greek Orthodox Church and religion, the Greek economy and the European Union, and the role of geopolitics. **Required for all PS&IR majors. OU Level 5. Prereq: Politics 101**

Politics 229: The US Federal Government
The aim of this course is to introduce students to the basic workings of the American federal government, through a study of the Constitution, of political institutions, and of core values (rights, freedom, property, etc.). In addition, the course will provide a general overview of the evolving character of American political life from the colonial period to the present. Such phenomena and issues as lobbies, the role of the media, and the changing face of the American population (districting) will also be considered; so too will a rudimentary explanation of state and local government be offered. Finally, the course will introduce students to the overlapping methodologies inherent in the study of comparative government. P**S&IR elective. OU Level 5. Prereq: History 120 or Politics 101**

Politics 230: Comparative Politics
The course studies and compares politics across states, by exploring several questions through research on similarities and differences among countries and within and between political systems. In the process, students will discover various ways in which institutional and non-institutional variables determine the answers to complicated questions like why nations thrive or fail, how culture affects governance quality, or what drives change within states and across borders. Country cases will be drawn from different regions of the world to ground students in the set of tools of comparative analysis, so that they may use these tools to further examine and link facts to the larger questions of international relations. The course will thus enhance student capacities to explain political phenomena, and eventually make predictions, using the comparative method. **Required for all PS&IR majors. OU Level 4.**

Politcs 233: International Law and Organisations
The aim of this module is to introduce students to the complex, yet interesting system of international law and to the basic concepts and theories of international organizations and how they have changed the mechanisms of reasoning behind the making, implementation and enforcement of international law. A large portion of the module will focus on the fundamental principles of international law, the law of treaties, the relationship between international and domestic law, the imperative of human rights and the impact that international organizations have in the field of international relations, such as peacekeeping operations, human security and terrorism. **Required for all PS&IR majors. OU Level 5. Prereq: Politics 101**

Politics 240 International Migration
The aim of the module is to introduce students to the issues and concerns of international migration, particularly as these have been brought about by globalization. The module will systematically examine the processes of international migration, push and pull factors, economic factors, as well as how international migration is innately connected with conflict and war, climate change, economic inequalities, and other factors. Theories and conceptual frameworks will be utilized, as will several case studies from around the world. Debates about borders and sovereignty will be addressed, as well as the recent securitization of migration, as countries take actions to stop migratory flows and adopt policies to discourage migrants wanting to enter. **PS&IR elective. OU Level 5. Prereq: History 120 or Politics 101**

Politics 250 Politics and New Technologies
The module is aiming at providing students insights into the following: The rapid development of technology over the past two centuries: first, second, third industrial revolution; the upcoming/current fourth industrial revolution. How technological progress is affecting politics: the limits of human activity and machine work. "Technophobia" and conservative restrains vis-à-vis technological advancement. Politics and new technologies in warfare. How technology affects gender. Artificial intelligence and the limits of human mind. **PS&IR elective. OU Level 5. Prereq: History 120 or Politics 101**

Politics 301: War and Human Security in the Modern World
In many respects war seems to be a major preoccupation of humankind. This course sets out to examine various perspectives on the causes, nature, and implications of war and genocide, as well as familiarizing students with the major issues and concepts associated with violent conflict. In addition students will become engaged with the dynamics of efforts to establish peace and resolve conflicts through an examination of applied theoretical frameworks and case study analyses. **Required for all PS&IR majors. OU Level 6. Prereq: Politics 101, History 120**

Politics 304: Women, Power, and Politics
This course provides an examination of the intersection of gender with politics, emphasizing the social construction of gender as well as the notion of citizenship and the part of women within a democratic polity. The course addresses the evolution of public policies affecting both men and women, legal systems and women, and the emerging role of women in state and non-state political institutions. The course will also explore the challenge that feminist theory has made to the traditional theories of politics and international relations. **PS&IR elective. OU Level 6. Prereq: Politics 101**

Politics 306: Contemporary Development Issues
This module explores contemporary research on international development and its various economic and social implications and aspires to enlighten students as to how development theory and practice emerges within an historical and political context. Students are given the opportunity to further their knowledge of different aspects of international development. It will also assist students in understanding the political factors of economic inequality in the developing world. **Required for all PS&IR majorsOU Level 5. Prereq: Politics 101**

Politics 332: Human Rights
This senior seminar will focus on the basic principles of human rights. Building on the foundation PS&IR students will have received from Politics 231, International Law, it will introduce students to the international and regional conventions and instruments which encode human rights. The course will cover the following issues: how human rights develop; the struggles for human rights, where these rights are encoded; and how to monitor that laws are being enforced. The course will also reflect on how international organizations reflect the values of human rights, not only in their monitoring and campaigning but also in their own practice. **PS&IR elective. OU Level 6. Prereq: Politics 201**

Politics 333: Diplomacy
This course considers the overlapping disciplines of diplomacy, negotiation, and conflict resolution. The course begins with an overview of the historical evolution of contemporary diplomatic relations. The students are introduced to different types of international negotiations. The final segment of the course reviews case studies in complex multiparty conflict resolution. Student evaluation will be based in part on participation in a practical simulation. **PS&IR elective. OU Level 6. Prereq: Politics 201**

Politics 334: Global Security Challenges
This module sets out to highlight the evolution of the concept of security (from State to human security and beyond) and the dynamism of international law and policy responses vis-à-vis a series of global threats (terrorism, threats to human health, environmental disasters, migration, financial threats). Students will be exposed to moral, legal and policy dilemmas highlighted in specific case-studies concerning global security threats and will be required to examine in depth and critically assess them. In order to fulfill those objectives, the main actors involved and the main tools employed in dealing with these threats will be presented and a series of primary sources related to the case-studies will be commented upon. **PS&IR elective. OU Level 6. Prereq: Politics 101**

Politics 350-351: Senior Thesis
An intensive, two-semester research project guided by one or more ACT faculty. **Required for all PS&IR majors. OU level 6. Prereq: senior status and permission of advisor.**

European Studies 210: Foundations of European Integration
This module will expose students to the historical, political and institutional developments of the European Union. It introduces key developments, institutions and policies, examines the theoretical framework of European integration, and studies the European Union as a global actor, with specific reference to the enlargement process and external relations. **Required for all PS&IR majors. OU Level 4. Prereq: Politics 101**

European Studies 211: The Politics of the European Union
The aim of this course is to introduce students to the major historical, political, and legal developments leading to the creation and evolution of the European Union. The course examines in detail EU treaties, institutions, and policy-making processes, and provides a critical examination of theories of European integration and enlargement. **NB Study abroad, non-degree and non-PS&IR students only.**

Public Service 299: Internship Project
This is an applied, "hands-on" course, aiming to help students understand managerial and policy practices of NGOs. Students will be posted in local organizations as interns, where they will work for a few hours per week. Apart from their job requirement in the NGO, students will undertake managerial analysis of projects as coordinated by the instructor (e.g., analyze the strategy of the NGO, perform policy and public value analysis, etc). The work in the NGOs will be supplemented by seminar-type classes where public and not-for-profit issues will be addressed. By the completion of the course students will not only have acquired some professional experience, but they will also be in a position to perform primary analysis of the environment in which they work. May be taken by PS&IR students as a free elective. **Prereq: junior or senior standing; permission of instructor.**

Research 210: Research Methods and Analysis
This a required course in which students are given the opportunity to develop an understanding of the research process and familiarize themselves with key methodologies and practices in Humanities and Social Sciences research. The module provides students with the knowledge and experience of applying various transferable research skills at conceptualizing, framing, exploring, analyzing and discussing an issue, in light of advancing their academic, research and writing performances throughout their study years and to a graduate degree. Finally, it is designed to provide students with research skills which are in high demand in a variety of contemporary professional settings. **PS&IR requirement. OU Level 4.**

Practicum 300 Practicum
The module aims to offer students experiential and service-learning experiences which bring together knowledge acquired in various modules in their field of academic studies and its applications in diverse research and practice-based environments, such as the professional setting, education, not-for-profit, and the arts sector. As such, this placement module prepares students for further independent work and gives them hands-on experience of various professional fields, equipping them for the job market. **PS&IR elective. OU Level 6.**

Social Sciences (Social Science, Anthropology, Sociology, Psychology)

Social Science 210: Introduction to Global Studies and Human Geographies (formerly History 210)
This course sets out to explore a number of subjects relating to the study of geography and politics. Students will be exposed to topics such as world/regional geography, cartography, geopolitics, politics and the environment, colonial/postcolonial geographies, and development, while the multidimensional and trans-disciplinary nature of geographical and political studies will be emphasized throughout. The course will also investigate such topics as world systems theory, cultural change, and globalizations. **Required for all PS&IR majors.**

Social Science 215: Studies in Media and Contemporary Society (formerly Politics 215)
This module aims to analyze and explore media representations, media regulation, elite-mass communication, media production in a global age, communication and media power. A comparative approach will be employed for analysis of different regional and national communications systems. A final segment of the module will examine the concept of mass society, media power and globalization. Examples and case studies will be taken from American and European sources. **PS&IR elective. OU Level 5. Prereq: Politics 101, Anthropology 101 or Sociology 101**

Social Science 219: Individual and Society
This course introduces students to the theoretical and practical problems of social interaction in modern society. Contemporary social thinkers and studies will be used in order to explore and explicate the reciprocal relationship between society and the individual. Topics of contemporary interest, among them those of gender, social identity, deviance, and the mass media, are critically analyzed and interpreted. May be taken by PS&IR students as a free elective. **Prereq: Anthropology 101 or Sociology 101**

Social Science 234: Gender, Cultures and Societies
This course will address gender issues from the standpoint of the social sciences. Its aim is to direct students towards a deeper understanding of gender as a social construction and not as a mere biological fact. By providing cross-cultural data on gender roles and by analyzing strongly held stereotypes about them in contemporary societies, the course will focus on the cultural patterning of behavior and perception that may or may not support gender stratification and hierarchy. Emphasis will be given to the interconnected levels of environment, economy, social complexity, and symbolic systems that affect the differential distribution of power, prestige, and authority between men and women in different societies. **May be taken by PS&IR students as a free elective. Prereq: Anthropology 101 or Sociology 101**

Social Science 323: Race and Racisms
This course sets out to examine various sociological perspectives on race and the processes of racialization. Students are given the opportunity to develop their understanding of the idea of race and key aspects and practices of racism. Students will gain insights into the evolution and construction of race in history and familiarize students with different types and forms of racism. In order to fulfill these objectives in a satisfactory manner, this course embraces and interdisciplinary approach at both the theoretical and applied levels. **PS&IR elective. OU Level 6. Prereq: History 120 or Sociology 101**

Social Science 349: Contemporary Globalization
This course aims to give the students a complex understanding of the processes of globalization. We will first look at how different theoretical perspectives make sense of globalization, i.e., what it is, whether it is a novel set of phenomena or not, and what its impact is on our world. With the background of this theoretical diversity, we will then go into studying in depth the institutions and impact of globalization. We will explore how globalization shapes and alters the economic, political and social structures of societies, and what specific roles the global institutions play in this transformation. We will also look at the gender dimension of this claim. Finally we will discuss those political movements which criticize and provide alternatives to globalization. **Required for all PS&IR majors. OU Level 6. Prereq: History 120, Politics 201**

Social Science 399: Service Learning Practicum
The course comprises a combination of theoretical sessions (in-class component) and real-life case study projects. Having a service- learning character, this course enables students to experience in practice and better understand community engagement through placements and implementation of projects in local community NGOs, agencies and organizations. Some identified organizations for students' placements are organizations that provide services related to health and care, education, environment conservation and citizenship & social activism. The key principle underlying these activities is the co-construction of knowledge through student collaboration. Such a participatory approach facilitates the process of pairing up students across ages, backgrounds and interests and enables a shared, co-experienced understanding of place and community participation among the young people involved. **May be taken by PS&IR students as a free elective.**

Anthropology 101: Introduction to Anthropology
This course provides an overview of major themes and concepts of Anthropology considered both in relation to the biological disciplines (Paleontology, Ethnology, Sociobiology) and as the comparative study of human cultures (Social Anthropology/ Ethnology). The course establishes the continuity of human culture from an evolutionary perspective and acquaints students with contemporary interdisciplinary debates on major issues. **May be taken as Social Sciences/Group C GER**

Anthropology 210: Introduction to Contemporary Greek Culture and Society
This course is designed as a navigation guide to contemporary Greek society and culture. Students are introduced to key features of public and private everyday life (history, politics, economy, education, religion, family, gender relations, sexuality, food, tourism, entertainment, music and dance, etc.). Texts drawn from a variety of sources will be used along with multimedia materials. Mini fieldwork projects will further enhance students' understanding and participation.

Anthropology 211: Theory and Techniques of Archaeology
This course offers a survey of the archaeological discipline with a focus on two themes, the material remains of past cultures and the techniques employed when studying archaeological remains. The course aims to broaden and deepen the students' understanding of past cultures and societies, thus providing enhanced insight into modern ones. Emphasis is placed on the reconstruction of social structure, environment, technology, communication, and cognitive systems of past societies as well as on the analysis of archaeological explanation. **May be taken as a free elective.**

Anthropology 215: Methods and Practices of Archaeological excavation
The present course surveys methodological approaches to the investigation and interpretation of past societies with an emphasis on excavation practices. It examines the major frameworks including older and current trends as well as the regional archaeological context in Northern Greece. The in-classroom teaching is complemented by a practicum that also provides students with a hands- on, excavation and laboratory experience in the study of ancient artefacts and points at the different ways in which such experience can answer major archaeological questions. In short, it aids the reconstruction and understanding of past social, economic, political and ideological realities. Working both in class and at the actual field, students will examine important archaeological evidence from the site of Toumba in the Northern Greek city of Thessaloniki dated from the Bronze age to Hellenistic times. Five credits. Three in class & two in excavation practicum. **May be taken as a free elective.**

Anthropology 221: Ethnographic Accounts of Greek Culture
This course examines different aspects of Greek culture and society through the anthropological lens. Ethnographic articles on everyday life expressions in different communities provide the material for the exploration of the inner differences, the complexities, the continuities and the changes that constitute part of contemporary Greek culture and society. Some of the topics discussed in this course include the social and economic life of people in different regions of Greece and in different periods of time, gender relations, presentations of the Greek cultural self, processes of identity formation, the role of the church as well as of the contemporary nation-state. **Prereq: Anthropology 101 or Sociology 101**

Anthropology 222: Greek Folklore
This course provides an overview of the creation, evolution and theory of folklore studies in Greece (19th and 20th centuries). It will introduce students to the major folklore categories (oral literature, customs, artifacts of material culture) and their collections (archives and museums). Emphasis will be placed on the study of folksongs and folktales. The course will also address the phenomenon of folklorismus, the revival of traditional customs, and its uses in modern Greek society. **Prereq: Anthropology 101 or Sociology 101**

Sociology 101: Contemporary Society
This course will explore the discipline of sociology, with a particular focus on the key concepts and issues relating to the study of contemporary society and culture. The course seeks to establish a methodological balance between theoretical grounding and an applied framework as it examines the following thematic issues: social and cultural theoretical perspectives, globalization, power, ethnicity, gender, the mass media, and the dynamics of culture in the contemporary world. **May be taken as Social Sciences/ Group C GER**

Sociology 201: Contemporary Social Issues
This course initiates students into the conceptual framework and problems associated with "mass culture," through an analysis of that phenomenon. The course focuses on the analysis and interpretation of such contemporary social issues as feminism, race and ethnic relations (including internal colonialism), terrorism, and the more specialized cases of institutionalized and clandestine violence. The course maintains a comparative perspective and, thus, the above issues will be considered both in their first and third world contexts. **May be taken as a free elective.**

Psychology 101: Introduction to Psychology
This course aims at providing a comprehensive introduction to the essential principles of the academic discipline of psychology by addressing such important topics as the function of the human brain, perception, language, development, learning, motivation, emotion, intelligence, personality, psychological disorders, and social behavior. The student is introduced to major theories of human behavior and is encouraged to assess critically the contribution and applicability of psychological research to daily life through class discussions, presentations and written assignments. **Required for Psychology majors. May be taken as Social Sciences/Group C GER for other majors**

Psychology 120- Developmental Psychology I
The study of human development is the study of progression and change. This course is designed to introduce students to the study of developmental psychology and provide an overview of the major theories and topics in developmental psychology. The emphasis is on the pre-natal period and early childhood. However, later periods of development will be addressed in Developmental Psychology II. Theory and research will be presented in areas such as biological, motor, cognitive, emotional, and social domains from the prenatal period through early childhood. **Required OU level 4. Prereq: Psychology 101**

Psychology 121 - Developmental Psychology II
This course will focus on research and applications in the field of human development. Human development is the study of how people change and remain the same across the lifespan. The aim is to provide a review of the progression through the initial developmental stages (prenatal development and early years) that was taught to the students in Developmental I and to further expand their knowledge of understanding on human development from school years through adulthood. Areas such as biological, motor, cognitive, emotional, and social domains will be covered and these processes will be described within a theoretical and empirical framework. **Required OU level 4. Prereq: Psychology 120**

Psychology 130 – Cognitive Psychology
This course will help students to acquire knowledge regarding core issues, theories and experimental findings in cognitive psychology. The course intends to cover the main topics of the field of cognitive psychology as the main mental processes play a key role in human Behavior, thinking and decision making process. Nowadays, as the information people encounter and the situations they immerse themselves in are diverse, the understanding of the working process of language, perception, learning, memory, etc is necessary. Focus will also be given to the progression of the cognitive field and the investigation of real-world issues through controlled laboratory scientific experimentation. **Required OU level 4. Prereq: Psychology 101**

Psychology 150 - Psychophysiology of Behavior
This is a course which will provide an overview of the principles, theory, and applications of psychophysiological assessment and students will become familiar with current psychophysiological research findings. It is concerned with the biological bases of behavior and it can offer an understanding of psychophysiological aspects of behavior, emotions, and cognition to your foundation of knowledge and skills. The aim of this course is to provide an introduction to major psychophysiological measures, and help students understand what psychophysiologists do, how they think about psychology and behavior. It will provide an introduction to theory and research in major areas of human psychophysiology with emphasis to the major methodological principles in human psychophysiology as well as to the study of behavior and psychopathology. **Required OU level 4. Prereq: Psychology 101 and persmission of advisor**

Psychology 170-Personal Development & Employability (OU)
The aim of this course is to improve awareness of career pathways and to improve students' abilities to reflect on, and present, the skills, attributes and experience gained from an academic degree and how this can support them achieve graduate employment. Students will develop their self-awareness and gain an enhanced understanding of what motivates them in the workplace. Students will learn about options available to psychology graduates and other majors and approaches to independently researching career possibilities. Students will also build their appreciation of how to navigate the graduate recruitment process, gaining practical experience of how to market themselves in written applications and in interviews. **Major Elective OU level 4**

Psychology 200-Adulthood and Aging
The goal of this course is to provide a critical analysis of the methods and theories that have been applied to the study of human ageing from a psychological perspective through the study of major theories of aging, changes in physical and mental health, personal transitions, and social relationships, as well as death and dying. **Major Elective OU level 5. Prereq: Psychology 101, Psychology 120, Psychology 121**

Psychology 202 - Personality Theories
This course will help students to deepen their knowledge regarding the formation of human personality and its impact on several areas of life. Also, the course intends to cover the main theoretical approaches, their strengths and limitations as well as their application to the explanation of psychopathology and problematic behavior. As nowadays, in the field of psychology, a lot of researchers and professionals suggest an eclectic approach, students need to be acquainted with the various theoretical schools and be able to apply basic theoretical information to real-life examples in practice. Focus will be also given to relevant issues, such as the genes and environment debate, gender differences and cultural perspectives so that students develop a holistic approach to the understanding of human personality. **Required OU level 5.**

Psychology 204 - Social Psychology
The aim of this course is to develop student's knowledge and understanding of key areas in Social Psychology such as: social thinking (which includes the topics of the self-concept; self-serving bias; stereotypes and prejudice), social influence (which includes the topics of persuasion; health and well-being in today's societies) and social relations (looking at the topics of aggression, discrimination, liking and helping). Biological, cognitive, emotional and socio-cultural aspects will be discussed while presenting the above key areas. The students will also learn about the related field of Community Psychology and how its main principles and research findings apply to contemporary communities. Finally, research related issues such as ethics and methodologies in Social Psychological research will be covered. By presenting the main concepts, theories, research methods and key studies in Social Psychology, the course aims to help students evaluate the usefulness of the above in today's societies as well as recognise the limits of generalising social psychological research to all gender/ethnic/cultural/age groups. **Required OU level 4.**

Psychology 205-Research methods and Statistics
In this course students are given the opportunity to develop an understanding of the research process and familiarize themselves with basic statistical terms and key methodologies and methods in Psychology research. In specific students learn about statistics-related concepts (populations, samples, variables). They are introduced to quantitative data analysis and in particular, descriptive statistics where they learn about identification of variables, frequency distributions, measures of central tendency and variability, normal and sampling distribution, hypothesis testing, type I and II errors, t – test for 1 sample and 2 independent samples, Pearson correlation, Chi – square independence test. It is associated with Psychology 101 and Math 101 and other modules that include introduction to research methods and statistics such as Psychology 211. **Required OU level 5. Prereq: Psychology 101, Psychology 211**

Psychology 206-Research methods and Qualitative Analysis
In this course students are given the opportunity to develop their critical understanding of the research process in Psychology and build a solid ability to evaluate methodological issues in specific Psychology research studies and carry out a research study themselves. Students will advance their knowledge of qualitative data analysis (mainly thematic analysis, narrative analysis and discourse analysis) and of critically evaluating the quality criteria of research studies (in terms of validity/transferability, reliability/dependability, objectivity/reflexivity, truth/credibility, generalisability/local-groundedness). Finally, the students acquire the knowledge and skills to design and conduct a piece of small-scale original research. This course provides valuable preparation for final year thesis. It is associated with Psychology 101 and other modules that include introduction to research methods such as Psychology 211 and Psychology 205. **Required OU level 5. Prereq: Psychology 101, Psychology 205**

Psychology 211: Historical, Philosophical & Research Foundations of Psychology
This course aims to introduce students to major conceptual and historical paradigms and models in psychology, the history of psychology as a science, the social and cultural construction of psychology, the most interesting developments in the history and concepts of science and to the concept of the self or mind. They will learn about the philosophical origins of psychology, introspection, behaviorism, psychodynamic theory, evolutionary psychology, developmental psychology, cognitive psychology and neuroscience and they will be re-introduced to major figures in the history of psychology, including Wundt, Pavlov, Skinner, Piaget and Freud etc. The ways in which psychologists and psychiatrists have investigated human nature will be examined, and major controversies in the field along with basic philosophical assumptions made in the sciences of human nature will be explored. In addition, students will be introduced to the fundamental principles of research methodology in Psychology such as different research designs, sampling techniques as well as basics of descriptive statistics. **Required OU level 4.**

Psychology 215: Positive Psychology
This course will provide students with the opportunity to learn about Positive Psychology and study how humans prosper in the face of adversity. Students will be introduced to contemporary science-based methods for enhancing the well-being, happiness and positive aspects of human experience. Various findings related to positive states such as happiness, creativity, well-being, optimism, resilience, altruism are discussed and their implications in real life are examined. **Major Elective OU level 5. Prereq: Psychology 101**

Psychology 218: Clinical Psychology I: Psychopathology
This course will help students gain a thorough and critical understanding of clinical issues and specifically, mental health and illness, definition of psychopathology, diagnosis and various factors that should be taken into account in the process of identifying several psychological disorders. As mental health professionals need to be aware of all the important issues and ethics in the clinical field, students need to be acquainted with the main psychological disorders and critically apply theoretical information to case studies and real life examples from professional practice. Therefore, focus will be given to assessment, causation, risk factors and effects of the main psychological disorders but also students will be introduced to the basic principles of treatment and prevention strategies. Moreover, they will be acquainted with issues of stigma and social exclusion so that they are aware of diversity issues and their implication on clinical practice. Required OU level 5. Prereq: Psychology 101, Psychology 120, Psychology 121

Psychology 221: Neuropsychology
This course aims to enable the students have a good grasp of the most recent advances, and a critical assessment of the literature in the field of neuropsychology. The focus is on particular neuropsychological conditions and cognitive dysfunctions that are the result of known structural brain damages. With respect to brain damage, the focus is on assessment and treatment methods. All these factors are studied in their single and combined effect on normal neurocognitive outcome as well as on mild to severe cognitive dysfunction in adult. For that purpose, a broad range of research methods is overviewed and explained, including longitudinal, interventional, experimental, patient-related, psychophysiological, and neuroimaging techniques. Discussed syndromes and disturbances: neglect syndrome, apraxia, aphasia, dementia, epilepsy, disturbance of visual processes, memory disorders and disorders of attention and executive functions. **Required OU level 5. Prereq: Psychology 101, Psychology 130, Psychology 150**

Psychology 240: Forensic Psychology
This is a course which will provide students with the opportunity to learn about Forensic Psychology, a recent subfield of Psychology which emphasizes the application of research and practice in other areas of psychology (e.g., cognitive psychology, social psychology) to the legal arena. The module covers the history, basic principles and objects of study of Forensic Psychology. Some important thematic areas are introduced such as forensic cognition (how offenders think), psychology of criminal behavior and victimology, the role of psychology in police and legal processes, assessment and treatment of offenders in forensic settings. **Major elective OU level 5. Required OU level 5. Prereq: Psychology 101**

Psychology 250: Psychopharmacology
This is a course which covers the basic principles of psychopharmacology. The module investigates the questions of what drugs are and how they influence psychological phenomena. Diverse types of drug use and abuse are explored. The course addresses questions on how and why drugs are used for treatment for psychopathological conditions, which are the mechanisms of addiction, what is tolerance and abuse. It also addresses the main and side effects of psychoactive drugs and how these are associated with effects on perception, emotion and behavior. **Required OU level 5. Prereq: Psychology 101, Psychology 150**

Psychology 255: Sports Psychology
During this course students are given the opportunity to further their knowledge of how individuals behave in sport and exercise as well as behavior patterns in sports and exercise settings. The course aims to introduce students to the study of people and their behavior in exercise contexts and provide an overview of the history, current status and future directions of this ever-growing field of study. Students shall identify and be able to critically apply principles and guidelines to enhance performance, help adults and children benefit from sport and exercises and cope with stress, anxiety, and arousal issues. **Major elective OU level 5. Prereq: Psychology 101 or by permission by the instructor**

Practicum 300
This course enables students to immerse themselves in real-life contexts, collaborate with community partners and mentors, and better understand the requirements of the community engagement and professional work, where relevant. There is a focus on reflexivity, problem-solving, communication skills development, critical thinking and writing. The course will offer students experiential and service-learning experiences which bring together knowledge acquired in various modules in their field of academic studies and its applications in diverse research and practice-based environments. As such, this placement module prepares students for further independent work and gives them hands-on experience of various professional fields, better equipping them for the job market.

Psychology 303: Educational Psychology: Inclusive & Special Education
This course aims to provide students with an understanding of a range of issues where psychological concepts, theories and methods have been applied in an educational context. We will look both at research in educational psychology and the educational policies that this research informs. Issues of relevance along the different tiers of education will be considered. The nature of early education will be addressed as well, with policy and research concerning contemporary debates such as the significance of play; the concept of learning readiness and the age at which children should begin formal education. Pre- school interventions and a range of special needs/developmental disorders & interventions will also be explored. The nature of early education will be addressed as well, with policy and research concerning contemporary debates such as the significance of play; the concept of learning readiness and the age at which children should begin formal education. Pre-school interventions and a range of special needs/developmental disorders and interventions will also be explored, emphasizing to the concept of inclusive education. **Major elective OU level 6. Prereq: Psychology 101, Psychology 120, Psychology 121**

Psychology 305 : Counselling and Psychotherapy
This course will help students to further deepen their knowledge regarding the prevalent counselling theories and approaches and psychotherapy research and critically evaluate them and apply related theory to case studies from professional practice. They will also get acquainted with the interview process, the therapeutic process and relationship, the counselling skills and the ethical issues on both theoretical and practical basis. Focus will be given to diversity issues in counselling, such as ethnicity, social class, age, gender, sexual orientation, etc. Moreover, the emphasis of this course on experiential learning and personal awareness and development will facilitate students to better comprehend the role of the psychologist in the counselling field and apply the knowledge and skills to their practicum. **Required OU level 6. Prereq: Psychology 101, Psychology 202**

Psychology 310: Organizational Psychology
Through this course the students will understand in depth the influence and interaction between organisations and the groups and the individuals who lead and work within them and will learn to analyze how these processes shape outcomes related to the use of human capital and to organizational effectiveness. The students will also learn to critically reflect on the roles, behaviors, interactions and outcomes they have had or will have themselves while participating in organizations or institutions. This course will start by presenting the history of organizational psychology and the topics of study and practice for organizational psychologists and will then discuss different structures and cultures of organizations. It will continue by covering various processes unfolding between organizations, groups and individuals (such as leadership, motivation for work, resistance to change, persuasion, team-working, problem solving, conflict/collaboration) and also examine how these processes shape various outcomes related to the performance and wellbeing of groups and individuals and the operation and growth of institutions. Research designs and methodologies in organizational psychology will also be covered**. Major elective OU level 6. Prereq: Psychology 101**

Psychology 320: Dialectical therapy
The aim of the course is to introduce the fundamental concepts and methods of behavioral therapy and to provide a basic introduction to DBT formulation, and treatment planning. The course also provides an overview of behavioral techniques and will familiarize students with the general theoretical context, as well as the main therapeutic principles within each theoretical approach. It will also consider the applications and empirical based evidence for the success of each approach and is designed to explore how certain approaches in psychotherapy can be employed to provide an insight into mental health problems, drawing on many theories and therapeutic practices to provide a better understanding. **Major elective OU level 6. Prereq: Psychology 101, Psychology 202, Psychology 218**

Psychology 330: Psychology of immigration
This course will present demographics/diversity of immigrant populations, motivating factors for migrating, and the myths/stereotypes around immigrants' characteristics and behaviors. It will then discuss the psychological experience of immigration in different contexts, as well as health, psychosocial well-being and psychopathology issues that may emerge and the services that need to be provided for addressing immigrants' diverse health, mental health and social care needs. Through this course the students will gain in depth understanding of the characteristics, experiences and needs of immigrant populations and will learn to make recommendations to improve practice and policy affecting immigrants of all ages and backgrounds. **Major elective OU level 6. Prereq: Psychology 101, Psychology 204**

Psychology 340: Psychology of addiction
Students are given the opportunity to develop their understanding of psychological and biological aspects of substance misuse and addiction as well as the potential treatment methods. Other non-substance addictions are also discussed such as gambling, internet addiction etc.The course aims to teach students how to assess and diagnose substance use disorders and in short to provide an overview of the psychosocial and neurobiological bases of addiction, the factors that affect addictive behavior and also how to describe and analyze appropriate therapeutic interventions. **Major elective OU level 6. Prereq: Psychology 101**

Psychology 350: SENIOR THESIS I
This is a required course for psychology majors. It constitutes the first term of a year-long research project, at the end of which the students are required to submit an 8,000-word thesis. In the Fall Term, they submit a 3000-word draft of the thesis, with main emphasis being the literature review. **Required OU level 6.**

Psychology 351: SENIOR THESIS II
This is the second part of a course in which the students are required to write an 8,000-word thesis. It is a fundamental component of the Psychology curriculum in which the students display their ability of formulating a research question which they research and write a detailed analysis of in 8,000 words. **Required OU level 6.**

Psychology 360: Advanced Applied Statistics for Psychologists
In this course, students are given the opportunity to develop an understanding of the research process and familiarize themselves with main paradigms and advanced statistical methodologies in Psychology research. The course helps students understand the strengths and limitations of different research paradigms, various research methodologies and methods in Psychology, as well as apply advanced statistical techniques and learn: a) about the main descriptive statistics techniques, b) inferential statistics techniques, c) non – parametric tests, d) correlational analysis and e) high order (factorial) AN.O.VA statistical methods. Students are also given the opportunity to analyze the aforementioned methods using SPSS, using Psychology examples and data. Students will also learn why Psychology is an empirical science and how empirical research can be designed step-by-step in Psychology. Additionaly, students will acquire statistical literacy (at the level of advanced statistics) through practical classes that will allow the learnt concepts and analytic techniques to be practiced, both by hand and through using a computer and the relevant software (SPSS).

Psychology 370: Psychology of Trauma
This course will explore psychological trauma from a variety of viewpoints and will draw on research and applications from various trauma-related topics such as childhood trauma, adult sexual assault, war, domestic violence, etc. Note: This course is not purely academic, so it is very possible that you, someone you know, or any of your classmates have survived very significant crises or traumas in their lives. Some of the lectures, media presentations, and guest speakers may have a strong emotional impact on you, so it is recommended that all students seek out some form of support during this course; a list of support services will be provided.

Psychology 400: Clinical Psychology II: Psychological Assessment
This course provides students with an opportunity to develop further their knowledge and skills in the areas of observation, measurement and psychometric assessment, including the use of formal psychological tests. Also, the aim is to explore the theory and application of psychological tests as measures of personality, intellectual functioning, attitudes etc. and learn how to use certain types of tests, their advantages and disadvantages, and test reliability and validity. Additionally, students will gain insight into the appropriate use of tests, tests construction, administration of tests and interpretation of test results. **Required OU level 6. Prereq: Psychology 101, Psychology 205, Psychology 206, Psychology 218**

English & Communication courses

English Lab Language skills
Lab 1 is designed to help students increase their English language skills in an academic context so as to be better equipped to handle college assignments and to build confidence in using English in both written and oral communication. The lab offers a comprehensive review of all English grammar and sentence structure, and focuses on reading, writing and speaking in a thought-provoking environment through the study of topics of universal appeal. **(non-credit course).**

English 101: Composition I
This course reviews the basic principles of paragraph writing and introduces the major rhetorical modes of narration, description and exposition through discussion of theory, examination of model essays, and writing practice. In addition, students are introduced to information literacy by spending seven two-hour sessions in the library, developing effective search strategies, understanding the differences between types of resources, and using critical skills with which to evaluate resources. **GER requirement.**

English 102: Composition II
This course builds upon the expository writing skills presented in Eng 101. First, it introduces students to the mode of argumentation by analyzing various types of arguments and presenting the essential tactics used in definition, cause, evaluation, refutation and proposal. At the same time, it introduces students to research paper writing by guiding them step by-step in the process of forming an argumentative thesis, incorporating sources together with their own thinking into papers, and documenting sources. **GER requirement. Prereq: English 101**

English 120: Introduction to Literature
The purpose of this course is to introduce students to the literary genres of poetry, drama and short fiction prose, and to familiarize them with a variety of literary techniques specific for the analysis of each genre. Students read a selection of classic and contemporary works within these genres and engage in analysis of narrative, study key poetic techniques that make meanings happen and discuss critical approaches as part of an attempt to become better readers and a more critical audience, thus providing a broad literary basis for ensuing theoretical and critical discussions. Students also gain an enhanced aesthetic appreciation of literature as art and come to value its role in education and everyday life. **May be taken as Humanities/ Group A GER. Required for English majors (OU, Level 4)**

English 203: Advanced College English Skills
This course aims to enhance academic skills in listening, speaking, reading and writing as well as develop significant critical thinking and research skills essential in an academic community and beyond. Texts on contemporary issues from various disciplines including newspaper articles, autobiographies, essays and peer reviewed journal articles will be examined. Close reading of texts will be the basis for discussions, debates, exercises and written assignments. Podcasts, blogs and short videos will also be used to practice Academic English skills. Themes and skill areas are selected to complement and enrich the learning experience of students of all fields. **GER requirement. Prereq: English 102**

ENGLISH 204: Business/Professional Communication
The course instructs students in all aspects of professional communication including writing, reading, speaking and listening. It offers business and computer science students in particular opportunities for vocabulary enrichment and structural methods. The course gives students the opportunity to practice and improve their overall use of professional communication skills, both orally and in writing. The overall aim of the course is to enable students to realize their full potential in terms of the sophistication, relevance and fluency of their professional communication skills. **GER requirement. Prereq: English 102**

ENGLISH 210: Creative Writing
This course aims to introduce students from all majors to the field of creative writing. It consists of three parts: an introduction to the practice of poetry, an introduction to the practice of fiction writing and an introduction to writing for commercial purposes (business, marketing, etc.). In these three parts respectively, students will practice basic forms of poetry, narrative techniques, the art of storytelling, and they will engage in projects applying basic rules of copywriting. The course will be interactive in the form of workshops including writing sessions, discussions, lectures and self-reflection. Through the course students will explore, develop and reflect upon their own writing style; practice basic forms of poetry, narrative techniques and categories in fiction; gain a basic understanding of the rules in copywriting; use different techniques of writing to produce writing to order and enhance their overall creative skills. **(OU Level 4)**

English 220: Introduction to Twentieth Century Poetry and Drama
This course introduces students to twentieth century poetry and drama through the consideration of selected texts from both genres that represent major thematic and stylistic concerns of the period. Students will be able to reflect upon the diverse directions taken by poets and dramatists throughout the century and some of the factors which have influenced literary developments while critically analyzing the components of both genres and their effects. The first part of the course will concentrate upon poetry and examine poetic techniques, structure, language and style and their relationship to meaning; where appropriate tracing similarities and differences in the works studied. In the second part of the course, selected plays will be studied, focusing upon dramatic conventions, structure, language and style, with careful attention being given to the performative aspect of the texts and influences that have helped shape twentieth century theatre practice. **(OU Level 4)**

English 221: Short Fiction
This course focuses on in-depth critical reading of and writing about short fiction (short stories and/or novellas) within the context of the traditions and innovations which have concerned these genres, and with respect to the standard elements of short fiction. Through the in-depth study of seminal short novel practitioners such as Herman Melville, Henry James, Joseph Conrad, Edith Wharton, James Joyce, Franz Kafka, Philip Roth, Gabriel Garcia Marquez and Alice Munro, students learn to recognize both the stylistic features distinct to each writer as well as the common thematic and technical threads that group them together. Whenever possible, readings will be supplemented with their film adaptations. **(OU Level 4)**

English 224: Post World War II British and American Drama
The course aims to introduce students to the systematic study of different kinds of drama by British and American playwrights from the period after the Second World War up until the start of the 21st century. It further aims to enhance their capacity to understand and think analytically about dramaturgy; to recognise the importance of the conventions of drama in the construction of meaning; to further develop their literacy skills so that they will be more critical and responsive readers and more exact and confident writers; to improve students' understanding of drama as both a literary and a performance medium and the connection between the two; and to introduce students to the synergy between dramatic texts and developments in theatrical practice, and how each informs and shapes the other. **(OU Level 4)**

English 230: British Literature and Culture
This is a standard survey course that guides students to the study of British literature in a more historical and culturally contextual fashion. This course aims to help students explore the interface of literature and society, and to provide them with appropriate tools for more advanced contextualized literary study. Students will learn to contextualize individual texts, recognize literary trends and cultural modes, evaluate literary and social movements, and be able to follow and discuss the evolution of British literature from the age of Chaucer within each cultural frame. While the focus of the course is primarily on so-called canonical writers and texts, class discussions and overarching critical perspectives look beyond such classifications**. Prereq: English 120 (OU Level 5)**

English 235 Introduction to Literary Theories and Criticism
This is an introductory survey of major contributions to literary theory and criticism, focusing especially on text and textuality, and especially the social, cultural and political aspects of textual interpretation. It will provide students with a basic theoretical background in literary and critical theory, while attempting to develop a coherent overall context that helps unravel the variety of approaches, theorists and technical language in a lucid and comprehensive way. More specifically, students will be able to define both literary theory and literary criticism and explain the emergence of these two fields as a discipline of study; display a comparative understanding of the theories; be able to apply theories to literary texts; learn how to analyze a literary text according to a given approach; become active participants and be able to make some personal sense of the theories and criticisms. **(OU Level 4)**

English 250: Advanced Writing & Professional Communication
The purpose of this course is to provide instruction and practice in the skills and strategies necessary to produce effective written and oral communication in any professional context. The course addresses topics such as persuasive writing techniques, formal professional communication (including executive summaries, legal documentation, letters and reports) as well as intercultural communication, professional writing in the 'e-world' and advanced public communication writing & speaking skills. The course is designed to foster skills development in the areas of critical thinking, presentation techniques, application of accepted professional frameworks to new ideas and use of innovative writing, with the aim of preparing students for realistic professional situations. **Required for PS&IR, Psychology, and English majors (OU Level 4)**

English 259: Postcolonial Literature
The course approaches contemporary literature by Anglophone writers from different parts of the world as an index both of distinct cultures and of cultural interaction and/or imposition, examining the ways in which the repercussions of imperialism and colonisation can be traced in these works. Employing the concepts and theory of postcolonial studies and literature, students engage in close reading of selected works in order to determine how major thematic and stylistic concerns are reflective of diverse intellectual and cultural realities. As a critical reading and writing course, it will offer students the opportunity to develop a deeper awareness of the impact of social, political, economic, and cultural contexts on human creativity, types and styles of interaction, and perspectives. **Prereq: English 120 (OU Level 6)**

English 268: Women and Literature
The course examines the evolution of women's literature from the 19th to the 20th century through a study of selected texts by Anglophone women writers. Coventry Patmore's "The Angel in the House" (the only text studied written by a man) serves as the background against which students will study a variety of texts written by women writers that respond to and deconstruct this female portrait, gradually "killing the Angel" and working to create new fictional portraits and a new discourse for women and women's literature while moving beyond the literary canon. **Prereq: English 120 (OU Level 5)**

English 273: Introduction to Linguistics
The course Introduction to Linguistics gives a selective overview of linguistic studies from various branches, such as anthropological linguistics, cognitive linguistics, functional linguistics, formal linguistics, psycholinguistics, and second language acquisition. The focus is on language as a dynamic set of symbolic resources with many levels of expression: an acquired system of communication among the human species, an interactive system for expressing and creating both individual and socially constructed meanings, and an orthographic system for developing literacy. During the semester, the global, social, and personal meanings of language will be considered. **(OU Level 4)**

English 274: Applied Linguistics in Teaching Theory and Practice
This course aims to introduce and analyze the fundamental principles and techniques of Teaching English as a Foreign Language. It is designed to offer students a solid grounding in current approaches to teaching English as a second/ foreign language, with an emphasis on practical applications to classroom settings. Students are expected to develop lesson plans, manage a classroom, design teaching materials for particular age groups and teach grammar and vocabulary as well as the productive and receptive skills as they apply their learning in a real teaching context**. Prereq: English 273 (OU Level 5)**

English 275: Sociolinguistics: Introduction to Language and Society
The course explores the general framework for understanding how human communities use language to say or fail to say what is meant and investigate the particular linguistic styles conventionally used by social subgroups. During this exploration, students are challenged to do the following: 1) Situate sociolinguistics in its discipline; 2) Acquire fluency in using terms & concepts to examine social uses of language; 3) Become familiar with relevant research; 4) Expand research experience and hone research skills; 5) Develop awareness of linguistic styles, our own and those of others around us; 6) Apply this learning to analyzing social situations, complications & misunderstandings; 7) Enhance preparation for entering the world of work, regardless of the profession. **(OU Level 4)**

English 284: Literature through Performance
This elective course encourages recognition and appreciation of the symbiotic relationship between artistic disciplines. Through a focus upon elements of theatre and performance and their practical application with regard to selected literary works, students will gain significant insights into how the medium of performance opens out new possibilities for the comprehension of text. Students will strengthen their critical understanding of literary conventions; become acquainted with diverse performance conventions, skills and traditions, and their practical application; gain firsthand experience of the ways in which the distinctive features of a literary text can be rendered into a performance and the factors that need consideration; develop their communication skills in a variety of contexts; and evolve into more responsive, sensitive and reflective readers and audiences. **(OU Level 5)**
English 292: Literature, Culture and Art in EFL teaching
This elective course will focus on how literature, culture and the arts can be used as pedagogical tools employed in the educational process, and more specifically in the teaching of English as a foreign language (EFL). Students will gain insight into modern theories of language teaching and experiment with learner-centred educational methods, which will inspire them to make their own teaching more creative and multicultural. The course will be interactive since students will be engaged in various creative activities, using literary texts, poems, films, music and the arts to eventually create their own, authentic and creative lesson plans and present them through microteaching to their class. **(OU Level 5)**

English 299: Teaching Approaches and Methods: Past and Present
This course explores the past and current theories of language teaching methodology. Students gain an insight into the major and minor trends in twentieth-century language teaching as well as investigating alternative approaches and methods. It aims to clarify the relationship between approach, design and procedure, and present a model for the description, analysis, and comparison of methods. Further investigation is carried out for each method in terms of analyzing its underlying theoretical approach, the specific design features associated with each method and finally the procedures which are linked with each method including classroom techniques and practices. Additionally, current communicative approaches are examined along with the post-methods era. **(OU Level 4)**

English 310: Design and Evaluation of teaching and assessment materials
In this course students will increase their critical awareness of approaches and methodologies in a range of EFL contexts and gain further insight in critically evaluating teaching and assessment materials. They will be given the ability to critically reflect on their own beliefs about teaching and learning, and develop their expertise in the creation of inclusive teaching materials at different levels and for different age groups. During the course, students will be able to synthesize all of the above, and create their own teaching and assessment materials, implemented through microteaching to their classmates. (**OU Level 6)**

English 320: The Other in Literature and Media
The Other has been a very common figure in literature as well as media, especially television and film. This course will focus, in an interdisciplinary fashion, on the various portrayals of "otherness" as they appear in diverse socio-historical contexts and from diverse points of view. Students will be exposed to a wide variety of written and visual texts and critically explore how Otherness has been imagined and portrayed in terms of gender, social class, race, sexual orientation, ethnicity and religion. Students will also consider the figure of the "Other" in Greece, as well as the figure of the Greek as the "Other" within the context of 20th century United States. They will be encouraged to interrogate culturally dominant assumptions regarding "otherness" as well as read canonical texts against the grain, with a special focus on Western constructions of the "Other". **(OU Level 6)**

English 325: Pedagogical Foundations in Second Language Acquisition
In this course students explore the theory of second language acquisition (SLA) in general and its implications for teaching and learning in particular. The course aims to review general linguistic theory, explore aspects of morphology, phonology, semantics and syntax, theories of 1st and 2nd language acquisition, L1 interference in L2 acquisition, language universals, error analysis, language variations and disorders, sociolinguistics, bilingualism, and application of theory to 2nd language teaching methodology. **Prereq: English 273 (OU Level 5)**

English 340: Comparative Literature
The course aims to engage students in a comparative study of literary representations of sexuality from antiquity to present times. Terms such as 'sex' and 'sexuality' are often used interchangeably, without considering their many different connotative meanings at different historical periods, or in different cultural contexts. The course is divided into three parts: a) philosophy and sexuality, b) class, gender, sin, and sexuality, and c) Freud, psychoanalysis and sexuality, which will bring us back to philosophy. Works in translation will help us reveal the nuanced role of language itself in terms of constructing sexuality. **Prereq: English 120 (OU Level 6)**

English 350: Advanced Writing: Writing for Social Change
Writing for Social Change is a longstanding rhetorical tradition of using public writing as a tool for social critique and as a means of personal, community, institutional, and/or political dialogue and transformation. In order to develop a sense for social critique, the course addresses a variety of social issues such as class, gender, sexuality or race, that are sites of struggle for social change. Students will explore a variety of texts from the media, literature, film or popular cultures in order to understand how content, style, structure and format vary across a range of reading and writing situations. They will explore the relationships among the text, writer, audience, and context, and discuss how these relationships shaped the writer's choices. Then they will be asked to apply this theoretical knowledge by writing in different genres and for different audiences, adapting the voice, tone, format and structure of their writing to meet the needs of the audience. **(OU Level 5)**

English 370: Literature and Film
This course will explore, in an interdisciplinary manner, some of the most important post-war literary and cinematic representations of conspiracy and paranoia on two main topics: the Cold War and the assassination of president, John F. Kennedy. Both events have been much documented and represented by seminal writers and filmmakers through a variety of aesthetic styles. Some of the questions that will inform the content of the course and guide our discussions include the following: what are the basic elements of conspiratorial narratives? Why do conspiracy and paranoia go hand in hand? How is history revisited in the arts? In what ways could cinema be seen as a more effective medium/vehicle for conspiratorial narratives? Is there a social function or utility in these texts? What are the strengths and weaknesses of this genre? And, most importantly, why are they so extremely popular? **(OU Level 6)**

English 380: The Business of Literature
The course will introduce students to the contemporary mechanics of literary production and to the forces making a book available, promoting it to a best seller, or silencing it. More specifically, it will focus on the changing market conditions for literature, both in a historical perspective and on the basis of selected case-studies. Students will discuss literature within a social and business frame and approach literary production in particular as a revealing cultural phenomenon in the context of a given socioeconomic reality. In doing so, students will sharpen their intellectual and critical skills and become alert to the interdependence of various fields which are traditionally considered separately. In addition, they will address and challenge underpinning canonical practices and biases. **Prereq: English 120 (OU Level 6)**

English 390: Senior Thesis I
This is the first part of a course in which the students are required to write an 8,000-word thesis. It forms a fundamental component of the BA Hons English curriculum, serving both its pathways, which offers students the opportunity to cultivate the abilities and skills necessary for the realization of a medium-scale research project, from the formulation of the initial research question to its final submission. Combining what is often encountered as either final year Dissertation or Advanced Research & Writing Skills, the course offers an integrative, hands-on and project-focused approach deemed particularly useful both to a wide variety of professional settings and to the advancement to graduate studies.(**OU Level 6)**

English 395: Senior Thesis II
This is the second part of a course in which the students are required to write a 8,000-word thesis, or a 6,000 word thesis if accompanied by a strong multimedia component. It forms a fundamental component of the BA Hons in English curriculum, serving both its pathways, which offers students the opportunity to cultivate the abilities and skills necessary for the realization of a medium-scale research project, from the formulation of the initial question to its final submission. The course offers an integrative, project-focused approach deemed particularly useful both to a wide variety of professional settings and to the advancement to graduate studies. **(OU Level 6)**

Eng/Hum: 246 American Literature and Culture
This course aims to provide students with insights into contemporary American literature, culture and society through an examination of selected literary texts and non-fictional sources which reflect the socio-cultural contexts of particular 'moments' in America's historical trajectory from the mid-nineteenth century to the present. Students will be exposed to a variety of texts from different fields including: literature, the visual arts, political/historical essays/commentaries, and music. **(OU Level 5)**

PRACT 300: Practicum
This elective course enables students to immerse themselves in real-life contexts, collaborate with community partners and mentors, and better understand the requirements of the community engagement and professional work, where relevant. It aims to offer students experiential and service-learning opportunities which bring together knowledge acquired in various courses in their field of academic studies and its applications in diverse research and practice-based environments, such as the professional setting, education, not-for-profit, and the arts sector. As such, this placement course prepares students for further independent work and gives them hands-on experience of various professional fields, better equipping them for the job market, while focusing on reflexivity, problem-solving, communication skills development, critical thinking and writing. **(OU Level 6)**

Comm 127: Communication, Culture & Society
Covering a range of different forms and contexts of communication (interpersonal, group, public, mediated, verbal and non-verbal communication) and using cases and scenarios drawn from everyday life, the course explores the ways communication and culture interrelate and interact, with particular focus on the workings and failures, potentialities and constraints of human communication. (OU Level 4)

Comm 215: Foundations of Contemporary Media
The course aims to acquaint students with the foundations of mass communication and the technological and social dynamics that have shaped their evolution. It will help students gain a better understanding of the evolving media landscape, the role of media industries, the effects of technological breakthroughs, and the ethical, political, and legal debates related to the media. It focuses on the fundamental socio-historical development in the media, both at the level of their role as industrial and cultural institutions, and in the light of the ethical and legal terms of their operation. Special attention is given to the most recent of technological breakthroughs in media development, i.e., the digital revolution, and to its transformative consequences over the whole of the media/cultural industry landscape. **(OU Level 4)**

Comm 217: Media in Transition
The course offers an overview of the historical development of media as industrial and cultural institutions, as well as the ethical and legal framework of their operation. Covering both print (newspapers, magazines, books) and audio/visual media (photography, cinema, sound-recording, radio, television, internet, mobile media) the course explores how changes in communication technology interrelate with the changing roles and fortunes of media industries and media audiences/users, and pays special attention to the digital revolution and to its transformative consequences over the whole of the media/cultural industry landscape. **(OU Level 5)**

Comm 219: Introduction to Film Studies
The purpose of this course is to introduce students to the study of the cinematic experience from the perspective of those who create films and those who consume them. Students are expected to gain insight into all the stages of filmmaking, from developing the script, to visualizing their stories, organizing and executing the film production, and editing their images and sounds into a final audiovisual product, while discussing abstract questions of history, philosophy, and art. In order to complete their introduction to psychocinematics, students work with the science behind cinematic arts, and investigate the question: "Do we all "see" the same story on screen, and, if not, what makes our responses different?" **(OU Level 4)**

Comm 227: Media Theory
The course covers the major theoretical perspectives that have shaped the field of media studies. Through the examination of their distinctive insights, concepts and problematics, the course emphasis is on the comprehension and evaluation of the contribution these perspectives had to the understanding of media and media-saturated modern society. The theories are presented and discussed in their historical and ideological context, aiming at developing a critical understanding of their viewpoint and import. **(OU Level 6)**

Comm 233- Introduction to Journalism
The course provides students with an overview of the fundamental concepts of journalism. It will bring them closer to the profession of journalism by engaging them with work across all media platforms – print, broadcast and online – and helping them to acquire basic journalistic skills. Students will explore the profession of journalism both at a theoretical but also at a highly practical level and will discover new ways to tell a story. Techniques, methods and models guiding the contemporary practice of journalism will be given particular emphasis.(**OU Level 5)**

Comm 270: Digital Content and Storytelling
This course explores the world of online content and storytelling through a variety of digital and social media. Students gain insight into the uses and strengths of each medium –from Facebook and TikTok to blogs and podcasts-, as they learn to convey their messages through appropriate channels. Using selected case studies and best practices and via hands-on workshops, they will work together to identify common mistakes made in the digital world today, while realizing the endless possibilities it offers in order for them to reach their audience in the most impactful way. Applying the rules of storytelling, students will familiarize themselves with developing content for the various platforms and realizing the potential each piece of content holds. **(OU Level 4)**

Communication 315: Intercultural Understanding and Communication
This course aims to introduce students to a rounded understanding of how interactions between people from different cultural backgrounds take place and the influences that affect such processes. In today's globalized world this seems to be central to our existence as increased cross-cultural contact and exchange has become the norm. Drawing on case studies from diverse social and cultural contexts, students will acquire knowledge and skills for more effective intercultural communication understanding and practices. It provides students with basic knowledge on how communication practices are patterned by culture, helping them to acquire a reflexive approach to their own cultural identity and communication styles. **(OU Level 5)**

Comm 317: Communicating Through New Media
This course offers a broad but in-depth introduction to theories of the new media as well as the impact and influence of the new media on various aspects of socio-cultural life, including journalism, art, identities, politics, social issues, and so on. Overall, it adopts an applied approach by examining the various socio-cultural aspects of the new media in concrete settings and thus aims to provide students with an understanding of the crucial changes that most socio-cultural sectors have undergone due to the evolvement of new media. (OU Level 6)

Comm 327: Research Methods and Practice
In this course students are given the opportunity to develop an understanding of the major approaches in Humanities and Social Sciences regarding the design of research as well as data collection and analysis. It is a crossover that links to all courses in the curriculum that require either critical understanding of or engaging in research and of paramount importance to the thesis modules. The course is designed to provide students with research skills which are in high demand in a variety of contemporary professional settings, and necessary for their academic advancement to a graduate degree. It will discuss various research methods and in each of the methods studied, the aim is to focus on its practical applications and uses, examine in-depth notable cases of published research, and appraise their social utility. **(OU Level 5)**

Comm 345: Media Ethics in the digital age
The course introduces students to the key issues of media ethics not only as an essential tool to safeguard fair and credible News reporting, but also as an important element of the journalists' professional identity in the digital age. Looking at ethics as the thread to connect the different stages and actors of this online transition, students will familiarize themselves with the ways and the tools the Media use to respond to their societal role, to find alternative funding models to use, and to perform better in engaging a diverse public while trying to face the phenomenon of disinformation. Through analyzing the principles of ethical commitment and the way they are challenged within the digital landscape, students will be introduced to the debate on how to reverse the public's distrust in News and Media. (OU Level 6)

Humanities courses (Modern Greek, Humanities, Philosophy, Art and Art History, Music)

GBST 200: Geographies of Globalization, Culture, and Identity
This course will explore key phenomena transpiring in the contemporary world relating to culture, politics, society, and identity formation. In order to facilitate understanding of existing socio-cultural realities, students will investigate the diverse processes associated with globalization. A fuller appreciation of these dynamic processes will require engagement with particular geographical competencies as well as an awareness of historical contexts and developments. Finally, this course encourages students to think critically, analytically, and across disciplinary boundaries that are centered on the social sciences. **May be taken as free elective.**

Greek 101: Beginning Modern Greek I
The aim of this course is to develop students' familiarity with oral and written Greek through dialogues dealing with everyday situations and written material drawn from the popular media. Emphasis is on oral communication. Grammar is learned through dialogues illustrating everyday communication, while students gain practice by role-playing and acting out numerous everyday situations. The vocabulary used meets basic social needs for an environment where Greek is spoken. **[Meets four hours weekly]**

Greek 104: Beginning Modern Greek II
This course is designed to develop further students' fluency in Greek. Emphasis is given to oral practice, which includes active use of the spoken language, without neglecting the written language. Grammar is presented through dialogues from everyday situations and written material from newspapers and magazines. Students engage in discussions on common social topics**. [Meets four hours weekly] Prereq: Greek 101 or permission of instructor**

Greek 201: Intermediate Modern Greek I
In this course emphasis will be given to oral practice, provided through both classroom discussion and presentations. More advanced grammar is taught using textbook dialogues and written materials from a variety of sources, including newspapers, magazines, books, and contemporary song lyrics. **[Meets four hours weekly] Prereq: Greek 104 or permission of instructor**

Greek 202: Intermediate Modern Greek II
Upon completion of this course students should be able to engage in extended conversations with native speakers on topics such as family, work, recreational activities, and the environment. They should be able to follow a TV documentary or watch the news, and read newspapers, magazine articles and selected literature. Writing skills will allow for extensive prose, such as narrative and argumentative essays. Students will also be required to work on group projects. Advanced grammar (passive voice, pronouns, imperatives, use of subjunctive) will be taught through textbook material (dialogues) and written material from newspapers, magazines, books and lyrics. **Prereq: Greek 201 or equivalent (Note: Advanced Greek Language courses are available on demand)**

Humanities 120: Understanding Greek life and culture
The course provides an understanding of contemporary Greek life and what it means to be Greek. It does so by examining the practices and creations of Greek culture, as well as by identifying and understanding the main figures of Greek life and the political scene through time. In addition, it develops students' intercultural and communicative competency so that they can interact both locally in Greece and in the global community. Indicative content areas: Modern Greek language (acquisition of effective Modern Greek communication skills for daily use), Greek culture (language, art, cinema, music and customs), the Modern Greek state structure (background, historical development, public administration, and political parties) figures and Institutions, Greece as pluralistic society(the Orthodox church, family, community and values, migration, minorities), national identity (nation-building, ethnicity, and Greeks within Europe, the Balkans and the world)

Humanities 203: Landmarks in the Western Tradition
This advanced survey course examines canonical of the Western Tradition starting with the Bible and extending through the mid-twentieth century. Various themes are traced, such as the relationship between nature and ideal, the notion of truth and virtue, and high-low art and the hierarchy of the genres. Students read from prose and non-prose texts alike, and consider these also in the context of non-verbal expressions of the humanities (music, arts, architecture). **Prereq: English 120**

Humanities 204: Exploring Ancient Greek Language and Culture
This course introduces students to the history of the ancient Greek language, from its origin to the present, and to some aspects of ancient Greek culture. Students are developing awareness of and some knowledge in identifying the application of ancient Greek to modern languages as well as an understanding of the culture of the ancient Greek world through texts of Classical Greek authors in translation and other material. The course deals with ancient Greek alphabet and pronunciation, language contact and change, the connection between ancient Greek language and other languages (e.g. familiar English words, scientific and technical vocabulary derived from Classical Greek) and the relationship of language and culture. Knowledge of Greek is not required.

Humanities 205: Ancient Greek Genres
An introduction to the study of ancient Greek literature in translation, with particular attention to historical-cultural conditions obtaining between the late 8th and late 5th centuries which made possible the birth of four major genres in rapid succession of one another: epic, lyric, tragedy, and history. In addition to primary source readings (selections from the Iliad and the Odyssey, lyric poetry, the tragedies, and Herodotus), study of each genre will be accompanied by secondary readings on both the genres and individual selections.

Humanities 209: Topics in Mythology and Religion in the Classical World
The course provides a systematic in-depth study of the major mythological characters, deities and myths of (mostly) the Greeks and the Romans through the use of both primary and secondary source material, visual and literary. The approach will be thematic and we will explore the nature and scope of mythology as well as its relation to religion, history and art. Comparisons with associated mythologies of the ancient Mediterranean world will be in place in order to demonstrate the broader historical and cultural framework. The myths and religion will also be studied in terms of their endurance and relevance in the western world as well as in popular culture. Finally, they will function as a setting for the discussion of matters of spirituality in the contemporary world.

Humanities 210: Religions of the World
This course will expose students to a comparative study of five of the world's main religious traditions, exploring those traditions through their literatures, while focusing also on origins, cultural contexts, histories, beliefs, and practices. Through reading, discussion, and visual appreciation of artistic renditions of religious world-views, students will gain valuable understanding of traditions other than their own, contributing to their broadened and deepened awareness of the world.

Humanities 221: History on Film/Film on History
Representations of classical myths and ancient history, of the First, Second and Cold Wars have shaped our understanding of out historical past. Often film has inspired people to learn more about this past. This course aims to examine how film has affected our perception of major world historical moments. We will spotlight key figures, events, literary sources and cultural issues which have been subject of major films./ Then we will analyse the historical and literary evidence underlying these films and appreciate the differences between the scholarly constructions of the world and the cinematographic representations. **PS&IR elective. OU Level 5. Prereq: History 120**

Humanities 230: The World of Alexander the Great
The principal objective of this three credit course is to provide a fundamental examination of the legacy of Hellenism, anchoring the achievements of Alexander the Great in the larger history of Greek antiquity. The course will consist of segments on mythology and legends; history and geography; ancient literature; philosophy, and politics; art and architecture. The course will feature visits to archaeological sites relating to the history of ancient Macedonia and aspects of Alexander's military campaigns.

Humanities 233: Thessaloniki, a city of faiths
The main chronological setting of the course covers broadly speaking half a millennium with an emphasis on the Ottoman period of the city when a Jewish majority coexisted with an Ottoman administration and a historically important Orthodox population. The discussion will also focus on the first half of the twentieth century, a period of major transformations as far as the religious identities of the city's inhabitants are concerned. The course will be organized thematically and the idiosyncrasies of the unique city of Thessaloniki in relation to the three Abrahamic faiths (with an emphasis on Judaism) are investigated in some depth. The thematic areas chosen for examination are: the religious importance of the Ottoman millet system, the arrival of the Sephardic Jews, the Orthodox local inhabitants, the city as a center for religious dissenters, the periods of peaceful coexistence, the development of ethnicities and the associated periods of conflicts, the Holocaust of the Jews of Thessaloniki, its consequences and effects (a shattered community, the difficulties of surviving and returning to the city), the city's religious and symbolic value through history and today.

Eng/Hum: 246 American Literature and Culture
This course aims to provide students with insights into contemporary American literature, culture and society through an examination of selected literary texts and non-fictional sources which reflect the socio-cultural contexts of particular 'moments' in America's historical trajectory from the mid-nineteenth century to the present. Students will be exposed to a variety of texts from different fields including: literature, the visual arts, political/historical essays/commentaries, and music. **(OU Level 5)**

Philosophy 101: Introduction to Philosophy and Critical Reasoning
The primary aim of this course is to train students in the skills required for critical analysis of discourse. Its secondary aim is to apply these critical analytic skills to the activity of philosophizing. Accordingly, the course is divided into two parts. In the first, the main concern is with the validity of inferences. Students learn sentential and predicate calculus so that they are in a position to check the validity of any argument proposed. In the second part, the main concern is inquiry and to this purpose the students first apply logical theory to methodology (induction, hypothesis, abduction, explanation, reduction theory, definition, distinction, issue, problem), and then apply all these techniques to the discussion of two problems: the existence of God and the problem of mind and its relation to matter. GER requirement.

Philosophy 203: Ethics
This course is designed to help students develop their critical abilities through the analysis of ethical problems and to introduce them to contemporary ethical theory. Following an introduction to the structure of ethical problems, three classical approaches to the problem of justification are presented: moral obligation (Kant), the consequences of one's actions (Utilitarianism), and personal virtue (Aristotle), respectively. The course also includes discussions of meta-ethical issues concerning the relation between fact and value and the problem of justifying and then generalizing one's ethical judgments including the issue of moral relativism. GER requirement.

Philosophy 208: Philosophy of Language
Language is the basis of communication, thought, and learning; it pervades all aspects of our lives. In the course, we shall reflect on both the philosophical understanding on language and on the relevance of language for philosophy. The relation of language and thought is one issue, a second being the relation of language and the world (the issue of "meaning" discussed in connection with the later Wittgenstein in particular). Furthermore, we shall discuss what the analysis of language can do for philosophical problems outside the philosophy of language (knowledge, existence, what is "good" philosophy?). **Prereq: Philosophy 101**

Philosophy 220: History of Ancient Greek Philosophy
The aim of this course is to provide an introduction to the philosophical, scientific and humanistic perspectives that emerged in ancient Greece, in the intellectual debate that Bruno Snell referred to as "The Discovery of the Mind." The discussion of the origin and ultimate constitution of human life and the cosmos, the role of gods in human affairs, the kind of knowledge and education one needed to live well, as well as the possibility of gaining such knowledge serves as the background to the emergence of these new perspectives on life. The course presents various responses to these questionsas they were debated in the ancient Greek world by the pre-Socratics, Socrates and Plato, and Aristotle and his successors. **Prereq: Philosophy 101**

Philosophy 235: Artificial Intelligence
This introduction to the subject of Artificial Intelligence (AI) will have as its central subject the question "Can machines think?" The course considers the history of "thinking machines" and the current state of the art. Typical cognitive tasks performed by machines involve visual perception and recognition, understanding language and translation, diagnosing a patient, and playing games such as chess. The course asks at what point we may say that machines are intelligent (Turing Test); what is computation, what is computable, and what is decidable (Church-Turing Thesis); whether thought is simply a kind of computation and the human mind a kind of computer (Classical symbol-manipulating AI vs. connectionism/neural networks); whether there are aspects of human intelligence that cannot be transformed into algorithms; and the relation between AI and the building of robots and other "autonomous agents." **Prereq: Computer Science 101 or 105, Philosophy 101**

Philosophy 236: Philosophy of Computing
The course will deal with three main questions: What is computing? What could computing do? What should we do with computing? In the first section it will investigate which processes in the world are computational, be they analog or digital. The question "What could computing do?" deals with the limits of what is computable, both in principle, and given that the time and space we have are not infinite (complexity). The third question concerns the ethical and social relevance of computers. Finally, the existence of computers has produced various kinds of ethical problems, dealing mostly with access to information, e.g., privacy and surveillance ("big brother is watching"), computer security, hacking and cracking. The course will be offered simultaneously with several other universities in Europe and the US. **Prereq: Philosophy 101, Computer Science 101**

ARCH 120: Architecture in Greece through the Ages: Ancient to Contemporary
The course will be an examination of the architecture created in Greece from the Archaic to the Contemporary period. Important examples from all periods and styles are going to be examined architecturally as well as products of the period that produced them. The students will be exposed to major architectural works from different periods, some of the most important of their style in the world and will be able to visit most of them, since several of the examples are in the city and the country of their studies. The study will start chronologically from ancient times, covering the basic and most essential examples of the Greek periods (Archaic, Classical, and Hellenistic). It continues with the Roman, Early Christian, Byzantine and Ottoman architecture. The course finishes with the study of the revival of Modern Greek architecture after 1830's, along with the establishment of the Modern Greek State and includes examples of Neoclassical, Eclectic, Modern and Contemporary styles. **May be taken as free elective.**

Art 120: Art Appreciation: Principles of Design
The purpose of this course is to introduce students to the general principles of design, that is, to the formal elements in any work of visual art (painting, sculpture, photography, film, contemporary installation art, etc.). The course will be thematic and topical, and will consider examples from all periods of Western and non-Western Art. Included in the formal coursework will be visits to local museums and galleries to examine firsthand artworks illustrating the different principles studied. **May be taken as Humanities/Group A GER**

Art History 121: Greek Art through the ages: Ancient to Modern
This course will provide a compact yet comprehensive chronological study of the arts of Greece from ancient to modern times. The examination of the arts will also allow for a better understanding of the complexities of political, social, and religious over time. Key periods covered include antiquity, the Roman, Early Christian and Byzantine Eras, the Ottoman Occupation, and the establishment of the Modern Greek State. NB This course is offered on an accelerated timetable for study abroad students. **May be taken as Humanities/Group A GER**

Art 130: Introduction to Photography, from the analog to digital era
This course is designed to provide students with a comprehensive foundation in the art and techniques of photography. Through a combination of theoretical knowledge and practical hands-on experience, this course aims to develop students' creative vision, technical skills, and critical thinking in the realm of photography. Throughout the semester, students will be expected to photograph consistently, present assignments and projects in class and develop skill in using photography as a tool for visual communication. Class time will consist of lectures, demonstrations, critique of students' work, lab work and field trips. In addition, students will be exposed to key photographic artistic movements and will learn to analyze and appreciate various genres and styles of photography.
In addition to technical skills, this course will foster students' creative development by encouraging experimentation and self-expression. Through regular assignments and projects, students will learn to apply theoretical concepts and technical skills to create visually engaging and conceptually meaningful photographs. Critiques and discussions will provide opportunities for constructive feedback and peer collaboration, promoting growth and refinement of artistic vision. Lastly, the course will introduce students to basic image processing, the digital equivalent of the darkroom, equipping them with the necessary skills to enhance their photographs and bring their vision to life.

Art History 201: Modern Art and Architecture
This course offers a study of styles of the modern period, with special emphasis on the work of Manet, the Impressionists, and the Post-Impressionists who laid the groundwork for the art of the 20th century. There will be a close look at the social conditions and metaphysical concepts which led to the rebellion in the arts in the second half of the 19th century. The styles of Expressionism, Cubism, Abstract Art, Futurism, the Metaphysical School and Surrealism will then be analyzed. **Prereq: Art 120 or Art History 103**

Art History 202: Late Modern Art
This course covers the period from 1940 to the present, examining painting, sculpture, architecture, and allied arts both in the USA and Europe. Emphasis is placed upon the various movements and the plethora of concepts that shaped the artistic fabric of the West since World War II. **Prereq: Art 120 or Art History 103**

Art History 220: Ancient Greek Art and Architecture
This course surveys Ancient Greek art and architecture from the Early Iron Age through the Hellenistic period. Following an introduction to the nature of art, its various uses, and approaches to its interpretation, the course will provide a brief historical background for the major periods in Greek art. Each period will then be examined in detail, with particular attention to defining stylistic features, and to examining representative works in each of the genres (sculpture, painting, architecture, minor arts). **Prereq: Art 120 or Art History 103**

Art History 221: Early Christian and Byzantine Art
This course offers a survey of Early Christian and Byzantine art and architecture. It covers the period between the early 4th and 15th centuries, and considers monuments from eastern and western parts of the Byzantine empire. It comments on and compares Byzantine creations from Italy and Asia Minor, while concentrating on Byzantine Thessaloniki and other important Greek centers of Byzantine culture, such as Mount Athos and Mistra. **Prereq: Art 120 or Art History 103**

Art History 224: Modern Greek Painting
This course presents a survey of Modern Greek painting starting with the second half of the nineteenth century, when Greek painting acquired the characteristics of a European form of artistic expression. It continues with an examination of Greek painting during the twentieth century. Emphasis is placed upon the artistic movements and various schools formed during these periods, and upon influences from European and American art and their implications for Greek painting. Visits to local galleries and museums will provide first-hand contact with works of art being studied. **Prereq: Art 120 or Art History 103**

Art History 299: Greek Life and Culture Museum Practicum
This compact and comprehensive one - credit course, concentrates on Greek life, culture and heritage along with museum practicum. The material will be examined through visits to museums and archaeological sites, along with a number of lectures and activities that the students will attend. May be taken as a Free Elective

Music 120: Traditional and Contemporary Greek Music
This course will provide students with an introduction to the historically rich and varied traditions in Greek music. The principal focus will be on church music, folkloric song and dance, and contemporary variations of "lay" music. Discussion will also refer to the place of music in ancient Greek society. Knowledge of Greek is helpful but not required.

DIVISION *of* SCIENCE *and* TECHNOLOGY

Chair
Mr. Emmanuel Maou, Associate Professor (Mathematics)(Reg)
BS, Mathematics, Iowa Wesleyan College, U.S.A. MSc, Applied Mathematics, University of Iowa, U.S.A.
Tel: 2310 398 380,
Email: emaou@act.edu

Coordinator
Dr. Evangelos Chazistavros, Assistant Professor (Computer Science)(Reg)
BSc, Electrical and Computer Engineering, Democritus University of Thrace, Greece; MSc, Communication Networks, Democritus University of Thrace, Greece; Ph.D., Electrical and Computer Engineering, Democritus University of Thrace

Coordinator Biological Sciences
Dr. Mary Kalamaki, Associate Professor (Chemistry-Biotechnology) (Reg)
DVM, School of Veterinary Medicine, Aristotle University, Greece;
MS, in Preventive Veterinary Medicine: Public Health and Food Safety. University of California, USA;
MS, Food Science. University of California, USA; Ph.D., in Agricultural and Environmental Chemistry with Designated Emphasis in Biotechnology. University of California, USA

FACULTY

Dr. Andreas Anestis, Associate Professor (Biological Sciences) (Reg)
BSc Biology, Aristotle University of Thessaloniki, Greece; PhD in Biology, Aristotle University of Thessaloniki, Greece; BS/MS) in Film Studies, Aristotle University of Thessaloniki, Greece

Dr. Ioannis Angelopoulos, Adjunct Professor (Biology) (Adj)
BSc- Biomedical Science. Cardiff Metropolitan University, School of Health, U.K; PGC in Tissue Engineering. Cardiff University, UK; MSc-Nanotechnology and Regenerative Medicine. University College London (UCL), UK; PhD University College London (UCL), UK. School of Medicine, Applied Biomedical Engineering Group, UK

Dr. Elena Antonakou, Adjunct Professor (Chemistry) (Adj)
BSc in Chemistry, Aristotle University of Thessaloniki, Greece; MSc in Environmental Biotechnology, University of the West of England, UK; PhD in Polymer Chemistry, Aristotle University of Thessaloniki, Greece

Dr. Alexander Astaras, Assistant Professor (Computer Science) (Reg)
BSc, Physics, Oberlin College, OH, USA; PhD in Electronics Engineering, The University of Edinburgh, Scotland

Dr. Nikos Athanasiou, Assistant Professor (Mathematics) (Reg)
BS in Mathematics, University of Cambridge, King's College, Cambridge, United Kingdom; Master of Mathematics, University of Cambridge, King's College, Cambridge, UK; PhD in Mathematics, University of Oxford, Oxford, UK

Dr. Grigoris Baglavas, Associate Professor (Computer Science) (Reg)
BS, Mathematics, Aristotle University of Thessaloniki, MSc, Telematics, University of Sheffield, PhD, Computer Science, University of Macedonia

Dr. Eleftheria Barlaka, Adjunct Professor (Biology) (Adj)
BSc Biology, Aristotle University of Thessaloniki, Greece; MS in Biology, Aristotle University of Thessaloniki, Greece; PhD in Biology, Aristotle University of Thessaloniki, Greece

Dr. Dimitrios Chatzidimitriou, Adjunct Professor (Physics)(Adj)
Diploma in Electrical and Computer Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece; PhD, Electrical and Computer Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Mr. Christos Christodoulou, Adjunct Instructor (Computer Science) (Adj)
BSc, Physics, Aristotle University of Thessaloniki, Greece. MSc Information Technology, University Aofston in Birmingham, U.K.

Dr. Vasilios Daskalogiannis, Adjunct Professor (Mathematics) (Adj)
BS, Mathematics, Aristotle University of Thessaloniki, Greece; MSc in Pure Mathematics, Aristotle University of Thessaloniki, Greece; PhD, Mathematics, Department of Mathematics of the Aristotle University of Thessaloniki

Dr. Valasia Iakovoglou, Adjunct Professor (Ecology) (Adj)
*BS. Forestry, Department of Forestry, January 1995, Drama, GR; B.S Forest Biology. Natural Resources Conservation, Iowa State University, USA; M.Sc. Urban Forestry, Natural Resources Conservation, Department of Forestry, Iowa State University, USA***; Ph.D. Ecophysiology/ Silviculture, Department of Natural Resources Ecology and Management, Iowa State University, USA**

Dr. Konstantinos Kanakoglou, Adjunct Professor (Physics) (Adj)
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Mr. Pantelis Kaplanoglou, Adjunct Instructor (Computer Science) (Adj)
BSc – Software Engineering, A.T.E.I. of Thessaloniki, Greece; MSc – Web Intelligence, A.T.E.I. of Thessaloniki, Department of Information Technology, Thessaloniki, Greece; PhD Candidate – Machine Learning for Computer Vision Aristotle University of Thessaloniki, School of Informatics

Mr. Menelaos Karamichalis, Adjunct Instructor (Computer Science) (Adj)
BA in Physics, Berea College, Berea, KY, USA; BS in Electrical Engineering, Washington University, St. Louis, MO, USA; MS in Electrical Engineering, Washington University, St. Louis, MO, USA; Master of Engineering Management, Washington University, St. Louis, MO, USA

Mr. Athanasios Karapatsias, Adjunct Instructor (Mathematics) (Adj),
B.Sc. in Mathematics, Aristotle University of Thessaloniki, Greece; MA in International Politics and Security Studies., University of Bradford, UK

Dr. Stamatis Katsikas, Adjunct Professor (Mathematics) (Adj),
B.Sc. in Physics, Aristotle University of Thessaloniki, Greece; M.Sc. in Applied Mathematics, Imperial College, London, UK; M.Sc. in Mathematical Finance, Queen Mary, University of London, UK; PhD in Interdisciplinary Mathematics & Complexity Science, University of Warwick, UK

Mr. Rossetos Kollias, Adjunct Instructor (Computer Science) (Adj),
B.Sc. in Mathematics, University of Crete, Greece; M.Sc. in Advanced Information Systems, University of Piraeus, Greece

Mr. Orestis Kourakis, Adjunct Instructor (Digital Photography) (Adj)
BSc, Agriculture, School of Agriculture, Aristotle University of Thessaloniki, Greece; MA in Photography, Savanna College of Art and Design, U.S.A

Mrs. Danai Kyriaki, Adjunct Instructor (Biology)(Adj)
BSc, Biology, University of Bristol, Bristol, United Kingdom; MSc, Wild Animal Biology, Royal Veterinary College, University of London, London, United Kingdom; MBA, Management Concentration, American College of Greece (ACT), Thessaloniki, Greece

Mrs. Eleni Lykartsi, Regular Lab Instructor (Physics)(Reg)
BSc., Physics, Aristotle University of Thessaloniki, Greece; MSc., Materials' Science, Aristotle University of Thessaloniki, Greece

Dr. Natalia Manousi, Adjunct Professor (Chemistry) (Adj)
BSc in Chemistry, Aristotle University of Thessaloniki, Greece; MSc in Chemical Analysis and Quality Control, National and Kapodistrian University of Athens, Athens, Greece; PhD in Analytical Chemistry, Aristotle University of Thessaloniki, Greece

Dr. Kyriaki Mengoudi, Assistant Professor (Computer Science) (Reg)
BS in Mathematics, Department of Mathematics, Aristotle University of Thessaloniki, Greece; MS in Applied Statistics and Datamining, Department of Mathematics and Statistics, University of St Andrews, Scotland; PhD in Computer Science, Department of Computer Science, University College, London, UK

Mr. Brian Morris, Adjunct Instructor (Computer Science)(Adj)
BS, Computer Processing, Illinois Central College, U.S.A.; BFA, The School of the Art Institute of Chicago, U.S.A; MA Digital Arts, University of the Arts London at Camberwell, London, United Kingdom

Mr. Apostolos Sioros, Adjunct Instructor (Mathematics) (Adj),
B.Sc. in Mathematics, Aristotle University of Thessaloniki, Greece; M.Sc. in Health Statistics and Data Analysis, Aristotle University of Thessaloniki, Greece

Mr. Efstratios Stratoglou, Adjunct Instructor (Mathematics) (Adj),
B.Sc. in Mathematics, Aristotle University of Thessaloniki, Greece; M.Sc. in Theoretical Mathematics, Aristotle University of Thessaloniki, Greece

Dr. Elpida Tsintsifa, Adjunct Professor (Nutrition) (Adj)
BS Exercise Science - Aristotle University of Thessaloniki, Greece; MS Exercise and Movement Science University of Oregon, USA; PhD in Sports Medicine, Aristotle University of Thessaloniki, Greece

Mrs Sofia Alexandra Tsoni, Adjunct Instructor (Chemistry) (Adj)
BS in Chemistry, Aristotle University, Greece; MRes in Advanced Molecular Synthesis, Imperial College, London, UK

Dr. Despoina (Peny) Varna, Adjunct Laboratory Instructor (Chemistry) (Adj)
B.Sc. in Chemistry, Aristotle University of Thessaloniki, Greece; MSc in Inorganic Chemistry and Inorganic Materials, Aristotle University of Thessaloniki, Greece; PhD in Inorganic Chemistry, Aristotle University of Thessaloniki, Greece

Goals and Objectives

The mission of the Division of Technology & Science is to offer innovative, leading edge technology programs in computing and academically sound service courses in the areas of Mathematics, Statistics and Science. As computing is a rapidly evolving discipline we continuously adapt our curriculum and facilities to meet the changing demands of the computing profession.

The computing programs target students that are interested primarily in Computing and Business with an emphasis in Information Systems and also students or professionals that are interested to specialize in certain areas in computing. In particular the certificate and special programs provide training opportunities for the wider community.

Courses in the Division are designed to broaden students' perspectives on the role of computing, mathematics, statistics and science in the modern world, while equipping them with both computer literacy and quantitative skills. A broad range of computing courses is offered, the majority having a strong laboratory component with emphasis on application.

The programs do not concentrate only on the latest technologies, which at some point will become outdated, but provide students with excellent critical skills and systematic thinking that will allow them to become lifelong learners and succeed in a wide variety of technical and managerial positions. Students are prepared for a successful career in the field of computing and its applications and/or additional study in computing or Business at the graduate level. State of the art computer facilities include high-speed servers and over 100 workstations in 5 laboratories, virtual desktop infrastructure and a cloud computing lab. The Science facilities include biology, physics, chemistry and robotics-microelectronics laboratories covering a total area of over 290 m2. All facilities are connected to a high-speed campus network and are connected to the internet.

ACADEMIC PROGRAMS

The Division of Technology & Science offers the following programs:

Degree programs

- Bachelor of Science in Biological Sciences (ACT & The Open University, U.K.)
- Bachelor of Science in Computer Science (ACT & The Open University, U.K.)
- Bachelor of Science in Business Computing (ACT & The Open University, U.K.)
- Bachelor of Science in Engineering (ACT & Washington University at St. Louis, U.S.A.)
- Minor in Computer Science
- Minor in Biological Sciences
- Minor in Multimedia and Web Development
- Minor in Data Science and Artificial Intelligence
- Minor in Mathematics

Certificate programs

- Cisco Certified Networking Associate Program
- Certificate in Multimedia and Video Game Design
- Certificate in Web Development

DEGREE PROGRAMS

BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCES

In the face of global challenges such as climate change and environmental management, population growth and food security, biotechnology and human health, the Biological Sciences have never been more important. Recent discoveries in the field have advanced at breath-taking speeds with beneficial outcomes for humankind.

ACT's Biological Sciences degree program is building on the 15-year past experience in developing and delivering STEM curriculum in collaboration with leading American Universities, such as Northeastern University and Washington University. The degree will provide graduates with a solid foundation of scientific knowledge at the molecular, biochemical, cellular, organismal, and ecosystemic level. Furthermore, it will equip graduates with practical laboratory experience and research skills, which are essential and valuable in a wide range of advanced studies or employment options.

A key strength of this degree is the exposure to the breadth of biological sciences, reflecting the interdisciplinary nature of modern biology, and the implementation of the scientific methodology in designing and executing experimental investigations, analyzing data, interpreting results, communicating findings via writing scientific papers while critically evaluating relevant literature.

The Programme aims to:

- Equip students with knowledge, skills and inspiration for a career at the forefront of innovation or further studies and research in Biological Sciences.
- Provide NECHE and QAA standards level education in Biological Sciences appropriate for either a career in industry or graduate studies. Such education shall cover a wide range of knowledge and understanding in all relevant areas of a rigorous curriculum and foster problem solving skills and information literacy.
- Develop cognitive skills needed by the biologist scientist: the ability to analyze and critically appraise scientific knowledge, the power of evidence synthesis, the ability to communicate scientific arguments.
- Provide the ability to evaluate biological systems, their performance and their specifications and demonstrate a high- level of professional competence across a range of technical, legal and ethical areas.
- Instill professional and entrepreneurial attitudes in students and develop a range of transferable skills that would enable them to advance and exploit the knowledge and technical expertise in pursuing their further career.
- Demonstrate the applicability of knowledge and skills in various contexts in which biological systems are studied, analyzed and manipulated, either when working alone or effectively participating as members of international teams.

In addition this program aims to prepare student for further studies and/or employment in the areas of:

- Analysis and diagnostics
- Biological and Health education
- Biomedical research, investigation, and reporting
- Cosmetic industry
- Dentistry
- Health and healthcare advising, policy and related professions
- Health bioinformatics/ health informatics
- Health prevention and promotion specialist
- Postgraduate research training
- Public & private research

- Science communication
- Veterinary Medicine

A notable detail is that out of the 36 courses of the Biological Science program, 17 contain a laboratory component. This ensures that the ACT graduate will master the Scientific Method that characterizes natural sciences, consisting in systematic observation, measurement, and experiment, and the formulation, testing, and modification of hypotheses. These courses are:

- Anatomy and Physiology 115: Integrated Human Anatomy and Physiology I
- Anatomy and Physiology 116: Integrated Human Anatomy and Physiology II
- Biology 112: Principles of Biology
- Biology 113: General Biology 2
- Biology 201: Foundations of Microbiology
- Biology 230: Genetics and Molecular Biology
- Biology 320: Biochemistry
- Biology 330: Cell Biology and Histology
- Biology 350: Microbiology and Infectious Diseases
- Biology 420: Environmental Health and Toxicology
- Biology 430 - Biotechnology Principles and Applications
- Chemistry 117: Chemistry for Biological Sciences
- Chemistry 215: Organic Chemistry I
- Chemistry 216: Organic Chemistry II
- Nutrition 130: Fundamentals of Human Nutrition
- Physics 120: University Physics I, for Science and Engineering
- Statistics 210: Statistics with R

Laboratory and Teaching Facilities
The program provides its students with able access to laboratory facilities, including a General Chemistry laboratory, and Organic Chemistry laboratory, a Biology laboratory, a Physics Laboratory, several Computer laboratories and other.

Degree Requirements
In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 124 US credit hours with an overall G.P.A of 2.0 or better. All Biological Science majors must complete a two-semester course sequence: Thesis I and Thesis II. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Computer Science is currently validated by Open University: under this scheme, 19 courses (360 UK credits) out of all the Biological Sciences degree requirements are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Biology Requirements

- **Anatomy and Physiology 115 Integrated Human Anatomy and Physiology I (OU)**
- Anatomy and Physiology 116: Integrated Human Anatomy and Physiology II
- **Biology 112 Principles of Biology (OU)**
- **Biology 113 General Biology 2 (OU)**
- **Biology 201 Foundations of Microbiology (OU)**
- **Biology 230 Genetics and Molecular Biology (OU)**
- Biology 299 Inquiries in the Biological Sciences
- **Biology 320 Biochemistry (OU)**
- **Biology 330 Cell Biology and Histology (OU)**
- **Biology 350 Microbiology and Infectious Diseases (OU)**
- **Biology 410 Principles of Epidemiology and Public Health (OU)**
- **Biology 420 Environmental Health and Toxicology (OU)**
- **Biology 430 Biotechnology Principles and Applications(OU)**
- **Biology 450 Immunology (OU)**
- **Biology 493 Thesis I (OU)**
- **Biology 494 Thesis II (OU)**
- Biology 400** Senior Seminar

***The topics of the senior Seminar will include*

- Social Medicine
- Development and Differentiation
- Community Health
- Neuropathological Mechanisms
- Immunology
- Pharmaceutical Chemistry (Follows Biochemistry)
- Human Genetics
- Evolutionary Medicine

b. Other Science requirements

- **Chemistry 117 Chemistry for Biological Sciences (OU)**
- **Chemistry 215 Organic Chemistry I (OU)**
- **Chemistry 216 Organic Chemistry II (OU)**
- **Mathematics 120* Calculus I for Science and Engineering (GER)**
- **Nutrition 130* Fundamentals of Human Nutrition (OU)**
- **Philosophy 310* Bio Ethics (GER) (OU)**
- **Physics 120* University Physics I, for Science and Engineering**
- **Statistics 210* Statistics with R Lab (OU)**
- **Computer Science 101 or 105**

c. One Free Elective

One course from any of the courses listed in the College Catalog or PRACTICUM 300 - Practicum

d. General Education requirements – GER

Student must complete the GER requirements, as described earlier in this Catalogue

**Any Major courses above marked with an asterisk may also be taken to meet part of the GER Suggested Program of Studies*

Suggested Program of Studies

Year One:
Biology 112 (OU)
Chemistry 117 (OU)
Biology 113(OU)
Mathematics 120
CSC 101 or CSC 105
English 101
Art course (English 120 or Art 120 or Music 120)
English 102
English 204
Politics 101

Year Two:
Anatomy and Physiology 115 (OU)
Nutrition 130 (OU)
Anatomy and Physiology 116
Statistics 210: Statistics with R(OU)
Biology 299: Inquiries in Biological Sciences
Social Science course (Anthro 101 or Soc 101 or Psych 101)
History 120
Philosophy 101
Economics 101
Biology 201(OU)

Year Three:
Chemistry 215 (OU)
Biology 230 (OU)
Biology 350 (OU)
Chemistry 216 (OU)
Biology 330 (OU)
Physics 120
Biology 320 (OU)
Philosophy 310 (OU)

Year Four:
Biology 493(OU)
BIO 430 (OU)
BIO 410 (OU)
Biology 494(OU)
BIO 450 (OU)
BIO 420 (OU)
SNCB 400
FREE ELECTIVE

NOTE:
The above is a suggested program of study. Your actual program of study will be produced by your Academic Advisor and/or Division Chair.

MINOR IN BIOLOGICAL SCIENCES

Students pursuing a degree in a field other than a BS in Biological Sciences, can earn a nminor in Biological Sciences by completing the following six course requirements.

Minor Requirements

- **Biology 112: Principles of Biology**
- **Biology 113: General Biology 2**
- **Chemistry 117: Chemistry for Biology**
- **Anatomy and Physiology 115: Integrated Human Anatomy and Physiology I**

- **Biology 201: Foundations of Microbiology**
- **One course from the following:**
- Biology 230: Genetics and Molecular Biology
- Biology 320: Biochemistry
- Anatomy and Physiology 116: Integrated Human Anatomy and Physiology II

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Contemporary Information Technologies change rapidly in all levels of scope from hardware to conceptual. The ACT program on Computer Science aims at offering its students a solid foundation that both addresses the fundamentals and provides adaptability in a lifelong career with continuous learning.

The ACT Computer Science graduate receives a solid and thorough education in fields of computing that interconnect a well as provide a deep and wide background in contemporary computer science. The program is structured in threads, with some capstone courses unifying among them and a set of Mathematics courses providing necessary background knowledge for the contemporary computer scientist.

The Program aims to:

- Equip students with knowledge, skills and inspiration for a career at the forefront of innovation or further studies and research in computer science
- Provide NECHE and QAA standards level education in computer Science appropriate for either a career in industry or graduate studies. Such education shall cover a wide range of knowledge and understanding in all relevant areas of a rigorous curriculum and foster problem solving skills and information literacy
- Develop cognitive skills needed by the computer scientist: the ability to model systems, the power of abstraction, the ability to communicate technical arguments
- Provide the ability to critically evaluate computer systems, their performance and their specifications and demonstrate a high level of professional competence across a range of technical, legal and ethical areas.
- Instill professional and entrepreneurial attitudes in students and develop a range of transferable skills that would enable them to advance and exploit the knowledge and technical expertise in pursuing their further career
- Demonstrate the applicability of knowledge and skills in various contexts in which computer systems are developed, either when working alone or effectively participating as members of international teams

Degree Requirements

In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A of 2.0 or better. All Computer Science student must complete two-semester sequence Senior Project I and II course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Computer Science is currently validated by Open University: under this scheme, 24 out of the 40 courses required for the Bachelor degrees are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Computer Science Requirements

- **Computer Science 105 *** — **Introduction to Programming I - Structured Programming (OU)**
- **Computer Science 106** — **Introduction to Programming II - Object Oriented Programming (OU)**
- **Computer Science 205** — **Business Data Management (OU)**
- **Computer Science 206** — **Web Development (OU)**
- **Computer Science 215** — **Algorithms & Data Structures (OU)**
- **Computer Science 230** — **Systems Programming (OU)**
- **Computer Science 300** — **Mobile Applications Programming (OU)**
- **Computer Science 306** — **Advanced Web Development (OU)**
- **Computer Science 310** — **Hardware & Computer Architecture (OU)**
- **Computer Science 312** — **Database Management Systems (OU)**
- **Computer Science 321** — **Operating Systems (OU)**
- **Computer Science 322** — **Computer Networks I (OU)**
- **Computer Science 325** — **Distributed Applications (OU)**
- **Computer Science 340** — **Introduction to Artificial Intelligence and Machine Learning (OU)**
- **Computer Science 412** — **Object Oriented Design Patterns (OU)**
- **Computer Science 421** — **Computer Systems Security (OU)**
- **Computer Science 443** — **Capstone Project I (Thesis I) (OU)**
- **Computer Science 444** — **Capstone Project II (Thesis II) (OU)**
- **Computer Science 450** — **System Analysis and Design (OU)**

b. Computer Science Elective (1 of the following is required)

- **Computer Science 219** — **Video Game Design (OU)**
- **Computer Science 330** — **Introduction to Mobile Robotics Programming (OU)**
- **Computer Science 333** — **Computer Networks II (OU)**
- **Computer Science 422** — **Advanced DBMS (OU)**
- **PRACTICUM 300** — **Practicum (OU)**

c. Mathematics and other CS Requirements

- Computer Science 107 * — Digital Media Toolkit
- Computer Science 180 * — Discrete Structures
- **Mathematics 120 *** — **Calculus I for Science and Engineering (OU)**
- **Mathematics 220** — **Discrete Mathematics for Computer Science (OU)**
- **Statistics 210** — **Statistics with R (OU)**

d. Business Elective (1 of the following is required)

- **Accounting 101** — **Financial Accounting (OU)**
- **Economics 101 *** — **Introductory Macroeconomics (OU)**
- **Management 101 *** — **Introduction to Management (OU)**
- **Marketing 101** — **Introduction to Marketing (OU)**

e. Free Electives

4 courses from any of the courses listed in the College Catalog

**Any Major courses above marked with an asterisk may also be taken to meet part of the GER Suggested Program of Studies*

Suggested Program of Studies

Year One (Level 4):

Computer Science 105 (OU)
Computer Science 106 (OU)
Computer Science 107
Computer Science 180
Mathematics 120 (OU)
English 101
English 102
Politics 101
Philosophy 101
Natural Science

Year Two (Level 4):

Computer Science 205 (OU)
Computer Science 215 (OU)
Computer Science 230 (OU)
Business Elective (ECON or MRKT or ACC 101) (OU)
Computer Science 312 (OU) Computer Science 450 (OU) Statistics 210 (OU)
English 204
Philosophy 203

Year Three (Level 5):

Computer Science 206 (OU)
Computer Science 300 (OU)
Computer Science 306 (OU)
Computer Science 310 (OU)
Computer Science 325(OU)
Mathematics 220 (OU)
Psychology 101
Free Elective
Free Elective

Year Four (Level 6):

Computer Science 321 (OU)
Computer Science 322 (OU)
Computer Science 412 (OU)
Computer Science 421 (OU)
Computer Science 443 (OU)
Computer Science 444 (OU)
Major Elective
Free Elective
Free Elective
History 120

NOTE: The above is a suggested program of study that fulfils the graduation requirements in Computer Science. Your actual program of study will be produced by your Academic Advisor and/or Division Chair.

BACHELOR OF SCIENCE IN BUSINESS COMPUTING

The degree in Business Computing is a hybrid program that provides an excellent blend of Computing technologies and Business knowledge. The program covers a breadth of Information Technologies (electronic office, programming, databases, multimedia, networking and the web) and focuses on fundamental areas of Business (Management, Marketing, Accounting, Finance and Economics). Graduates of the program will have the skills and training needed to understand Business functions, to analyze business-user information needs and to design and implement information systems.

The B.S. in Business Computing prepares the student for a career either in the field of Computer Science and its applications or in the field of Business. The program develops broadly educated and competent graduates ready to pursue professional careers or graduate studies in either Business or Computer Science.

Training in research methods and final year capstone project provide the theoretical and practical framework for successful performance of program graduates in industry or academia.

Degree Requirements

In order to receive the BS degree, the student must have fulfilled all the GER and major requirements and have completed at least 121 US credit hours with an overall G.P.A of 2.0 or better. All Business Computing students take a Research Methods course followed by a two-semester sequence Capstone Senior Project I and II course. According to NECHE Standards, students must complete at least one fourth of their undergraduate program, including advanced work in the major or concentration, at the institution awarding the degree. As a consequence, all candidates for an ACT degree must have been in residence at the College for at least during the last two semesters of full time instruction, assuming availability and equivalency of transferable courses.

Open University degree structure: The program in Business Computing is currently validated by Open University: under this scheme, 24 out of the 40 courses required for a Bachelor's degree are validated by Open University. Students must necessarily take the fourth year courses at ACT. Successful students will receive a Bachelor's degree from Open University in addition to the ACT degree for a single course of studies by meeting the following common set of requirements (in addition to meeting General Education Requirements)—courses highlighted in bold are validated by Open University.

Major Requirements

a. Computer Science Requirements

- **Computer Science 105*: Introduction to Programming I – Structured Programming (OU)**
- **Computer Science 106: Introduction to Programming II - Object Oriented Programming (OU)**
- **Computer Science 205: Business Data Management (OU)**
- **Computer Science 206: Web Development (OU)**
- **Computer Science 215: Algorithms & Data Structures (OU)**
- **Computer Science 306: Advanced Web Development (OU)**
- **Computer Science 312: Database Management Systems (OU)**
- **Computer Science 322: Computer Networks I (OU)**
- **Computer Science 325: Distributed Applications (OU)**
- **Computer Science 340 Artificial Intelligence (OU)**
- **Computer Science 443: Computer Networks I (OU)**
- **Computer Science 444: Capstone Project II (Thesis II) (OU)**

- **Computer Science 450:** **System Analysis and Design (OU)**

b. Business Requirements
(Two of the following four courses as OU and one of them as non-OU)
- **Economics 101:** **Introductory Macroeconomics (OU)**
- **Accounting 101:** **Financial Accounting (OU)**
- **Management 101:** **Introduction to Management (OU)**
- **Marketing 101:** **Introduction to Marketing (OU)**

(All of the following courses)
- **Finance 201:** **Financial Management (OU)**
- **Management 201:** **Organizational Behavior (OU)**
- **Management 312:** **Operations Management (OU)**
- **Business Administration 240/241:** **Principles of Commercial Law/International Business Law (OU)**
- **Research 299:** **Research Methods (OU)**

c. Other Degree Requirements
- Computer Science 180*: Discrete Structures
- **Mathematics 115*:** **Calculus (OU)**
- **Statistics 210:** **Statistics with R (OU)**
- Accounting 102: Managerial Accounting

Note: Computer Science 180 could be substituted by Mathematics 101: Elements of Finite Mathematics with approval by the coordinator.

d. Business Computing Major Electives
(3 of the following are required)
- **Computer Science 219 (OU)**
- **Finance 210 (OU)**
- **Computer Science 321 (OU)**
- **Finance 220 (OU)**
- **Computer Science 330 (OU)**
- **Finance 232 (OU)**
- **Marketing 301(OU)**
- **Computer Science 412 (OU)**
- **Marketing 303 (OU)**
- **Computer Science 421 (OU)**
- **Marketing 318 (OU)**
- **Computer Science 422 (OU)**
- **Marketing 320 (OU)**
- **Marketing 324 (OU)**
- **Practicum 300 (OU)**
- **Marketing 330 (OU)**
- **Management 210 (OU)**
- **Management 302 (OU)**
- **Management 303 (OU)**
- **Management 305 (OU)**
- **Management 306 (OU)**
- **Management 312 (OU)**
- **Management 322 (OU)**
- **Management 323 (OU)**
- **Management 341 (OU)**

e. Electives
- Any Computer Science or Business course
- One free elective

**Any of the Major courses above marked with an asterisk may also be taken to meet part of the GER.*

Suggested Program of Studies

Year One (Level 4):
Computer Science 105 (OU)
Computer Science 106 (OU)
Economics 101 (OU)
Mathematics 115 (OU)
Computer Science 180
English 101
English 102
Politics 101
Philosophy 101
Philosophy 203

Year Two (Level 4):
Computer Science 205 (OU)
Computer Science 215 (OU)
Accounting 101 (OU)
Management 101
Statistics 210 (OU)
Computer Science 450 (OU)
Accounting 102
English 204
Art course
Natural Science course

Year Three (Level 5):
Computer Science 206 (OU)
Computer Science 306 (OU)
Computer Science 312(OU)
Computer Science 340 (OU)
Management 201 (OU)
Finance 201 (OU)
Research 299 (OU)
Any Business or Computing course
Business 240/241
Psychology 101

Year Four (Level 6):
Computer Science 322 (OU)
Computer Science 325 (OU)
Management 312 (OU)
Major Elective 01 (OU)
Major Elective 02 (OU)
Major Elective 03 (OU)
Computer Science 443 (OU)
Computer Science 444 (OU)
History 120
Free Elective

MINOR IN COMPUTER SCIENCE
(not available to Business Computing majors)

The minor in Computer science provides to students, who are completing a bachelor's degree in another field of study, the fundamentals in a number of computer science fields. There are two option: one focusing in Programming and Databases and a second in Programming and Networks. A number of interesting electives are periodically available to students in digital media, web programming, e-commerce, artificial intelligence, etc.

Minor Requirements

- Computer Science 105: Introduction to Programming I – Structured Programming
- Computer Science 106: Introduction to Programming II - Object Oriented Programming
- Computer Science 205: Business Data Management
- Computer Science 215: Algorithms & Data Structures
- Computer Science 312: Database Management Systems,
- Computer Science 325: Distributed Applications
- Minor Capstone Project *

MINOR IN MULTIMEDIA AND WEB DEVELOPMENT
(not available to Business Computing majors)

The minor in multimedia and web development focuses on new media. The topics taught include interactive media production, professional web design, web programming and mobile app development. Students acquire a solid foundation in multimedia and web development software applications and design issues. They work in the areas of web page design, image design, creation and manipulation, image composition, 2-D graphics, and audio and video production and integration.

The students work in state-of-the-art multimedia labs, where they learn how to use software applications from Adobe Professional Suite, Autodesk and Android Studio. They produce web sites, create 2- D imagery, design sound for multimedia products, develop skills in nonlinear digital video editing and mobile application development.

Graduates of this program are pursuing careers in this fascinating and rapidly expanding field, entering the market as media producers, information architects, web designers and app developers.

Minor Requirements

- Computer Science 105: Introduction to Programming I – Structured Programming
- Computer Science 107: Digital Media Toolkit
- Computer Science 206: Web Development
- Computer Science 207: Multimedia II
- Computer Science 300: Mobile Application Development
- Computer Science 306: Advanced Web Development
- Minor Capstone Project*

MINOR IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE
The minor in Data Science and Artificial Intelligence focuses on the emerging field of AI. The topics taught include an introduction to the Python programming language, knowledge representation, problem solving via search, logical and probabilistic reasoning and machine learning algorithms such as decision trees, Deep neural networks, supervised and unsupervised learning, state-of-the-art technologies and methodologies, data visualization, data processing and big data mining.

- Computer Science 105: Introduction to Programming I – Structured Programming
- Computer Science 190: Introduction to Python
- Statistics 205/210: Introductory Statistics/Statistics with R
- Computer Science 340: Introduction to Artificial Intelligence and Machine Learning
- Computer Science 360: Introduction to Data Science
- Computer Science 345: Applied Machine Learning and Deep Neural Networks
- Minor Capstone Project*

MINOR IN MATHEMATICS

The minor in mathematics provides a solid foundation of quantitative and reasoning skills for work in any major

- Computer Science 180: Discrete Structures
- Mathematics 120: Calculus I
- Mathematics 121: Calculus II
- Statistics 205/210: Introductory Statistics/Statistics with R
- Mathematics 215/230: Linear Algebra/Linear Algebra for Computer Science
- One elective: Mathematics 201: Calculus III or Mathematics 220: Discrete Mathematics

CERTIFICATE PROGRAMS

Networking Associate Certificate Program (CISCO-CCNA)

ACT is a local academy in Northern Greece offering the Cisco Certified Networking Associate program. This program is designed to meet the growing demand for Network specialists. Students who successfully complete the program are eligible to earn Cisco Certified Network Associate certification, by taking and succeeding the relevant CISCO examination.

1. Computer Science 105: Introduction to Programming I – Structured Programming
2. CS 222: Cisco Networking Fundamentals and R Semesters 1 and 2)
3. Computer Science 322: Network Operating Systems and Administration
4. CS 333: Cisco Advanced LAN and WAN design (corresponds to the Cisco Networking Academy Semesters 3 and 4)

Multimedia and Video Game Design Certificate program

The Digital Media certificate focuses on the new media. The topics taught range from computer animation to interactive media production. Students acquire a solid foundation in multimedia software applications and design issues. They work in the areas of image design, creation and manipulation, image compositing, 2-D and 3-D graphics, and audio and video production and integration.

1. ART 130: Introduction to Photography from Analog to Digital Era
2. Computer Science 107: Digital Media Toolkit
3. Computer Science 207: Multimedia II
4. Computer Science 219: Video Game

*****_The capstone project is not a regular course, it is an independent project undertaken by the student under agreement with a faculty advisor. The faculty advisor provides only supervision and assessment of the project and not regular instruction. Upon completion of the project and by the pre-agreed deadline the student submits the project to the faculty advisor, who then assesses it and reports the pass or fail grade (pass >=75%) to the registrar's, who in turn issues the certificate. The registrar will keep all projects on file for a minimum of 2 years._

Web Development Certificate Program

The Web Development certificate focuses on the design and creation of a professional web site. The topics covered are separated into three different categories: Web Design Guidelines, Professional Web Design Software and Web Programming. The student is introduced to the latest design techniques for a web site and will get hands-on experience of the tools that professional web designers use.

1. Computer Science 105: Introduction to Programming I – Structured Programming
2. Computer Science 206: Web Development
3. Computer Science 306: Advanced Web Development
4. Computer Science 300: Mobile Application Development
5. Capstone Project

TECHNOLOGY AND SCIENCE COURSES

The courses listed below are expected to be offered at least every two years and a re-evaluation of the entire course curriculum is carried out every two years in order to maintain an updated list of course offerings

COMPUTER SCIENCE AND MATHEMATICS COURSES

COMPUTER SCIENCE

Computer Science 101: Digital Literacy
This course provides a comprehensive introduction to digital literacy, encompassing both theoretical understanding and practical experience. It covers essential topics such as general-purpose computing, networks and the internet uses, information and data management, and social media. Within the field context of Computer Science, students gain knowledge of fundamental principles related to operating systems, human-computer interaction, networking and communication, architecture and organization, information management, cybersecurity, social issues, mobile computing, artificial intelligence tools, and professional practices. They learn to recognize and leverage these principles in their everyday organizational tasks. From a hands-on perspective, students acquire practical skills in using various operating systems (proprietary and FOSS), collaborative cloud platforms, word processing, managing spreadsheets, designing effective presentations, managing their projects, the internet and the world wide web. They also learn how to utilize web 2.0 tools for conducting research via online questionnaires and analyzing the collected data, content creation and delivery (including collaborative wikis, blogs), newsgroups, and social media platforms. The course equips students with the ability to develop and manage their personal digital identity, organize and process data effectively, and plan projects using modern web-based tools. Additionally, students engage in technical writing, collaborative informatics projects, public speaking, and presenting their work within specified time constraints. **May be taken as a Computer Science GER.**

Computer Science 105: Introduction to Programming I – Structured Programming
An introduction to computing and computer programming. Students are introduced to the basic elements of computing hardware, informatics and computer programming. Problem analysis and programming solutions are explained, planned, demonstrated and practiced using the Java or C programming languages. The course advances beyond basic computation and covers elements of structured programming in Computer Science and Software Engineering, instructing students to develop autonomy as sophisticated computer users, algorithmic thinkers and programmers. **May be taken as a Computer Science GER.**

Computer Science 106: Introduction to Programming II – Object oriented programming
The course provides a systematic coverage of Object Oriented Modeling and Applications. Topics include Object Models, Object Class Design, Inheritance and Polymorphism, Software Reuse with Classes, Application Modeling, Simulation with Object Classes, and Business Process Modeling with Objects.
Object-oriented programming (OOP) is a revolutionary concept that changed the rules in computer program development. OOP is organized around "objects" rather than "actions", data rather than logic. Historically, a program has been viewed as a logical procedure that takes input data, processes it, and produces output data. The programming challenge was seen as how to write the logic, not how to define the data. Object-oriented programming takes the view that, "what we really care about:", are the objects we want to manipulate rather than the logic required to manipulate them.
The course expands on the material covered in CS105 with the following aims:

- Further cultivation of algorithmic thinking and refinement of existing procedural programming skills
- Familiarization with the Object Oriented programming methodology
- Exposure to Java classes for building graphical interfaces and other extensions

May be taken as a Computer Science GER. Prereq: Computer Science 105

Computer Science 107: Digital Media Toolkit
This course is an introduction to digital multimedia. All media components (digital images/graphics, text, animation, sound and digital video) are introduced and their parameters defined and studied. Software multimedia development tools necessary for the creation or capture of digital media are presented and students acquire hands-on experience with a package for each media category. Hardware essential for the capture/creation of the media is also presented. Multimedia project design parameters are examined and applied to a student capstone project.
The main software used in this course will be Adobe Bridge, Adobe Photoshop, Adobe Premier Pro, Adobe Camera Raw and/or Lightroom. Other software may be used, which will be announced at the beginning of the course. **May be taken as a Computer Science GER.**

Computer Science 115: Introduction to computer programming using C++
This is an introduction to algorithmic thinking and structured programming using the C++ language. Students are introduced to the basic elements of computing hardware, information technology and computer programming fundamentals such as variables, operators, conditionals, loops, functions, arrays and record data structures. The course also covers the use of libraries, data streams and access to operating system resources (file I/O). All topics covered are presented, demonstrated and practiced using C++, inviting students to consider algorithmic solutions to a variety of computing problems. This course advances beyond basic computing skills towards Computer Science, instructing students to develop autonomy as sophisticated computer users, algorithmic thinkers and programmers. **Prereq: Basic computing, numerical and analytical skills.**

Computer Science 151: Quantitative Computing
The course aims at deepening student quantitative skills by interrelating mathematical modeling and spreadsheet implementation. Students are presented real-world problems encountered in the modern enterprise, with emphasis on spreadsheet computing and are taught both the mathematical background and the necessary structures for tackling the problem with spreadsheets. Emphasis is placed on mutual translation of mathematical model and spreadsheet implementation. Focus is on Business

Planning and topics are drawn from Microeconomics, Finance, Marketing, Managerial and Financial Accounting. Mathematical topics covered include: Real numbers and their computer implementation, polynomial, exponential and logarithmic functions, matrices, linear programming and optimization, recursive models, discrete approximation of the derivative and integral.
May be taken as a Computer Science GER. Prereq: Computer Science 101, Math 101

Computer Science 180: Discrete Structures
This course introduces the mathematical structures and methods that form the foundation of computer science. The material will be motivated by applications from computer science and emphasize:

- Techniques: binary and modular arithmetic, set notation, methods of counting, evaluating sums, solving recurrences, ...
- Supporting Theory: basics of probability, proof by induction, growth of functions, and analysis techniques and
- General problem solving techniques with many applications to real problems.

The course material is divided into five modules. Each module starts with a motivating application then goes into techniques related to that application and the theory behind those techniques. Each module ends with one or more fairly deep applications based on the material.
These modules are: Computers and Computing: Numbers, Circuits, and Logic; Cryptography: Integers and Modular Arithmetic; Combinatorics: Sets, Counting, and Probability; Algorithmic Analysis: Searching and Sorting; Networks: Graphs and Trees

Computer Science 201: Business Computing
The course aims at presenting Business majors with the basic computing structures needed to support a company's management. Students will be exposed to data tables from a variety of business activities as well as the database techniques necessary to model and effectively process these data for the purposes of company assessment and planning. Examples of applications residing in the WWW will be presented, analyzed and subsequently implemented by students with the database medium used in the course. **Prereq: Computer Science 151**

Computer Science 205: Business Data Management
The purpose of COMP SCI 205 is to introduce the idea of business data management, data modeling, and processing methodologies with the use of standalone design tools and personal databases. It aims at fostering proper data design through the relational methodology and developing all necessary data processing and presentation skills. The aims of this course are to:

- Define the role of Systems Analyst and Database designer.
- Explain System Analysis and interpersonal communication skills that the System Analyst must have
- Explain Project Management and discuss tools that the system analyst must have
- Explain the Methodologies that are used for Systems Analysis and Database Design
- Explain the various tools that certain methodologies use

Provide students the opportunity to work on the most popular database (Oracle), in a project in order to implement the taught methodologies. **Prereq: Computer Science 105**

Computer Science 206: Web Development
COMP SCI 206 is an introductory course for beginning web designers. We will explore some essential concepts related to the creation of effective web sites. In the last portion of the course we will concentrate on client-side scripting using the programming language JavaScript. This course aims at introducing students the basic web design guidelines, Fundamentals of Hyper Text Markup Language (HTML), and how to use a Simple HTML Editor as well as Web Authoring Tools. Also, one of the main goals of the course will be to understand what scripting languages are and to be able to develop scripts.
Prereq. Computer Science 101 or 105 and Computer Science 107 or permission by instructor

Computer Science 207: Multimedia II
This course is the continuation of CS107. Advanced editing techniques of and digital video will be presented, studied and practiced. Basic animation techniques will be presented, studied and practiced. Individual student capstone projects on Video and animation will be assigned at the end of the course. **Prereq: Computer Science 107 or permission of instructor**

Computer Science 209: 3-D Digital Design I
The focus of this course is the introduction to the 3D workspace, creation tools, and the basics of 3D design. It includes modeling 3D geometry, creating material textures and lighting, and rendering output to animation and still image formats. 3D animation techniques will also be presented, studied and practiced. The concepts and interrelationships of developing a story and character from premise to production will be presented, studied and implemented by students on a final capstone project. Students will acquire hands-on experience using 3ds max and will build on their 2D skills with the use of Photoshop as an aid in the creation of texture maps. **Prereq: Computer Science 107**

Computer Science 215: Data Structures
The purpose of CS215 is to introduce students to the main concepts and implementation principles of object-oriented programming and data structures, using Java as the programming language. This course builds on the knowledge and skills acquired in CS105 – Introduction to Programming I - Structured Programming (OU). The course is split in two parts; the first part deals with object-oriented programming using Java, re-enforcing the fundamental concepts learned in CS105. The second part of the course introduces data structures. The data structures examined include arrays, lists, queues, stacks, trees, heaps, hash tables and graphs. Searching, sorting, inserting, deleting and other simple operations on these structures will also be discussed. **Prereq: Computer Science 106 or permission by instructor**

Computer Science 219: Video Game Design
This course introduces the critical study of computer video games and the professional practice of game design. Through readings, discussions, research, and practical "hands-on" projects, students will better understand the current market for games and simulations and develop the fundamental skills necessary to enter the international computer games industry. Although the commercial video game pipeline will be discussed, the actual production framework for the class will mirror a 'Indie" game team "prototype game level" development. Students will be expected to fill multiple roles in the production process, and gain hands-on experience in the collaborative processes of game design, project management, scripting, content creation pipeline, in game animation, and play-testing. **Prereq: Computer Science 107; CS105 recommended or permission by instructor**

Computer Science 222: Cisco Networking Fundamentals and Router Configuration
This course offers an introduction to computer systems and networking fundamentals based on the OSI network model and industry standards. The first part teaches the fundamentals of network design and the installation of cabling. Topics covered are network topologies, IP addressing, including subnet masks, networking components, and basic network design. In the second part of the course, students begin simple router configuration exercises and are introduced to LAN switching. Topics covered are routing theory and router technologies, router configuration, routed and routing protocols.
Prereq. Computer Science 101 or 105 or permission by instructor

Computer Science 230: Introductory Systems Programming
The course continues from CS105, Structured Programming, aiming to familiarize students with a variety of fundamental Computer Science and Software Engineering challenges which can be solved by developing appropriate software algorithms. The course furthers algorithmic skills with increased emphasis on systems programming. More elaborate data structures are manipulated and the role of libraries accessing Operating System resources (Disk, I/O) is examined. In this manner the course serves as a bridge between the Programming Fundamentals and the Computing Systems programme threads. The course introduces a high-level language (C++) and proceeds as a follow-up to introductory structured programming, inviting students to consider more elaborate structures and algorithms in order to solve a wide range of tasks. Intricacies of the C/C++ languages are investigated and related to computer architecture (pointers, variable addresses, memory allocation). In addition to furthering algorithmic

thinking skills, the course also serves as an introduction to the Computing Systems programme thread, investigating the relationship of high-level languages with the underlying computing system and applying system programming tasks involving I/O for a variety of external devices (user interaction, data storage, microcontrollers). **Prereq. Computer Science 105 or permission by instructor**

Computer Science 300: Mobile Applications Development
This course focuses on the fundamentals of mobile strategy and development, application architecture and design. Students will have the opportunity to learn the benefits and challenges of mobile application planning, design, development and strategy through real world examples and actual project work. Through readings, discussions, research, and practical "hands-on" projects, students will better understand the current market for mobile applications and develop the fundamental skills necessary to enter the mobile application industry. This course aims to teach how to build cross-platform mobile solutions to solve complex problems using iOS and Android phones and tablets. The course will teach students how to develop software for iOS and Android mobile devices through real world examples and strategies. Students will be guided through a complete mobile development lifecycle during the semester, and be given the opportunity to develop a series of applications.
Prereq: Computer Science 106 or permission by instructor

Computer Science 306: Advanced Web Development
This course builds upon the skills and knowledge about creating and publishing Web pages and sites taught in CS 206. It also introduces students to advanced web development areas, required for students interested in pursuing a career in web site design. This course aims mainly on client-side scripting using the programming language JavaScript. The objective will be to understand what scripting languages are and to be able to develop scripts. The course will also offer an introduction to jQuery library, Asynchronous JavaScript and XML (AJAX), basically showing the benefits of their use and applying it to certain programming tasks. In the last portion of the course, students will gain a practical knowledge about the currently most used web content management environments. By combining lectures with seminar discussions and extensive hands-on experiences the course will introduce the students both to the applied aspects of content management technologies but also to the theoretical issues involved. **Prereq: Computer Science 105 & 206**

Computer Science 309: 3-D Digital Design II
This Course will build on the existing cs209 course and serve as a more in-depth study of 3d digital design in practice and theory. This course will continue development from cs209 topics, and the following intermediate to advanced topics which are beyond the scope of cs209, will be presented, studied and practiced. This includes, Nurbs and Patch surface modeling, advanced Material, Mapping and Lighting techniques and more advanced Rendering methods. Advanced character animation tools will also be covered including Character studio and Max's character animation tools. It will also cover Dynamic simulations using Reactor and introduces max scripting. **Prereq: Computer Science 209**

Computer Science 310: Hardware & Computer Architecture
This course addresses the structure and function of modern digital computing devices, ranging from fundamental digital design concepts to registers, counters, finite state machines and basic computing elements which constitute modern digital microcontrollers. Students gain the relevant theoretical understanding and have a chance to apply it in practice designing, simulating, troubleshooting and optimizing combinational and sequential logic circuits. The course concludes with a discussion on system level organization and architecture of modern digital devices, as well as a glance into possible future directions for computation: analogue computation, memristors, neural computation and quantum computing. This course builds on knowledge and skills acquired in CS230 – Introduction to Systems Programming. Upon successful completion of the course students are able to:
• Understand the function and interconnections of fundamental components which constitute modern digital devices (processor, memory, I/O, data storage, operating system).
• Use logic gates as primary building components in hierarchical digital logic designs.
• Analyze combinational logic, map it using digital circuits and optimize using Karnaugh maps.

• Design, simulate, troubleshoot and optimize both combinational and sequential digital circuits.
• Recognize and understand basic Assembly language and Machine Code.
Prereq: Computer Science 105 and Computer Science 230 or permission by instructor

Computer Science 312: Database Management Systems
The purpose of the course is to offer a systematic coverage of modern Database Computing theory and technology. Topics include: Relational Algebra, Data Modeling, Database Design, Client-Server Database Management Systems, Interface Design, trends in Database Systems, combination of Object Oriented Modeling and Relational Databases.
Prereq: Computer Science 205

Computer Science 321: Operating Systems
This course deepens understanding of how contemporary computing systems are structured and, in particular, supported by an Operating System. It is a culmination course within the Computing Systems programme thread. Operating Systems are the brain of any computing system. They handle the body/DNA (hardware) as well as behavior (usage of system by user). Following rapid to revolutionary technological developments the field of Operating Systems also undergoes tremendous changes, which constantly evolve the conception of an OS and of course the technological challenges involved in its implementation.
The course aims at outlining the role of an OS in a diachronic way while comparing and contrasting design choices spanning the evolution of the field. It aims at defining fundamental needs that a von Neumann machine has from the Operating System in order to be functional, optimal and attractive to the user.
The course explains Operating Systems architecture and examines trade-offs involved in different, evolving systems. It further examines diachronic as well as contemporary issues involved in Operating System design by comparing and contrasting relevant design and algorithmic choices.
The course involves lab work: Communication with the OS at a low level via a Linux shell and programming tasks addressing aspects of Operating System design and implementation. **Prereq: Computer Science 230, Computer Science 310, or permission by the Department**

Computer Science 322: Computer Networks I
This course aims to provide the student with the knowledge of how computer networks are designed, engineered and operated. This includes knowledge of the fundamental algorithms used in the management of both resources and traffic and how these algorithms may interact with application programs.
Instruction includes, but is not limited to network terminology and protocols, network standards, LANs, WANs, OSI models, cabling, cabling tools, routers, router programming, star topology, and IP addressing.
The student will study and design networks, using Ethernet, TCP/IP Addressing Protocol, and dynamic routing.
Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, communication, and social studies concepts to solve networking problems. **Prereq: Computer Science 215**

Computer Science 323: Java Network Programming
The aims of the course are to provide students with the basic knowledge and understanding of computer networks with Java essentials - how Java language associates with computer networking topics. This ranges from the essential elements of the Java programming language to networking fundamentals and distributed systems' principles. It will also provide an introduction to the theory, design and implementation of network software. **Prereq: Computer Science 105**

Computer Science 325: Distributed Applications
The purpose of the course is to examine in detail the software and hardware technologies prevalent in the Internet and provide an introduction to the principles and methods for creating distributed on-line client/server applications that are the basis for electronic commerce as it is conducted over the Internet. Methods and tools such as HTML, the Common Gateway Interface, PHP, database connectivity tools and MySQL are presented. Coverage is also given to emerging standards for information exchange, encryption and validation. **Prereq: Computer Science 312**

Computer Science 330: Introduction to Mobile Robotics
The primary difference between robots and other types of computing devices is their ability to sense and have a physical effect on their environment, rather than to simply gather, process and communicate data like most other computing devices. This is particularly evident in the case of autonomous mobile robots: they face the challenge of sensing data from their surroundings, selecting their own navigation waypoints and dynamically altering their course to account for obstacles, power supply restrictions and unexpected events. In this course theoretical instruction is combined with experiential learning and challenge-driven software development. Students are challenged individually and in teams to build the hardware chassis, electrical harness and software algorithms for their autonomous mobile robots. This course assumes that students possess a basic background in structured programming and is based on an introduction to microcontroller and mobile robotic programming using the C and RobotC languages. The curriculum commences with an introduction to microcontroller programming and sensor data acquisition, proceeds with the use of actuators, basic navigation, obstacle avoidance, sensor data fusion and concludes with several team challenges in robotic design. This course builds on structured programming skills developed in CS105: Introduction to Programming I – Structured Programming. **Prereq: CS 105**

Computer Science 333: Computer Networks II
In the first part of this course, students learn to configure routers and switches and use network management techniques to find and fix network problems. Topics covered include advanced router configuration, LAN switching theory, and VLANs. There is significant emphasis on project-based learning. In the second part of the course, concepts and methods involved in wide area networking (WAN) design and implementation are introduced. Topics include WAN theory and design, WAN technology, PPP, Frame Relay, and ISDN. Numerous topics and issues are covered through the use of threaded case studies. By the end of this course, students complete advanced projects in network design and management. Successful completion of this course prepares students for the Cisco Certified Networking Associate test (CCNA). **Prereq: Computer Science 322**

Computer Science 340: Artificial Intelligence
This course is an introduction to the field of AI and Machine Learning, including an intensive initial introduction to the Python programming language. Indicative topics include knowledge representation, decision trees and rule-based expert systems, as well as machine learning structures and algorithms for neural and evolutionary computation. The course covers the theory and practical implementation of supervised, unsupervised and reinforcement learning in artificial neural networks, as well as in evolutionary computing and genetic algorithms. Other indicative topics covered are dataset preparation for neural learning and testing, the back-propagation algorithm for synaptic weight change, pattern recognition and classification challenges using the multi-layer perceptron artificial neural network architecture, logical and probabilistic neural computation, and optimization of neural computation using genetic algorithms. All topics presented are supported by practical examples and design challenges using the Python programming language. This course serves as a prerequisite for Computer Science students who wish to undertake a capstone project involving AI and/or Machine Learning during their final year of study. **Prereq: CSC 106**

Computer Science 345: Applied Machine Learning and Deep Neural Networks
The course explores the vast field of Machine Learning (ML) at the senior level, focusing on its applications and related software implementations. Covers a variety of related ML models but specializes in the subfield of Deep Learning that encompasses the most successful algorithms that are used to train Deep Neural Networks (DNN). The course mostly emphasizes on the practical application of Machine Learning on data that are available for the needs of a specific intelligent task. These tasks belong to diverse domains like Image Recognition, Natural Language Understanding, and Recommender Systems, and during the course students will be handed the appropriate source code examples which implement ML models for the tasks. Understanding the basic theory through examples, allows the formulation of a solution for the given task and consequently the selection of an ML model, which can be a DNN, that will become a software implementation using popular libraries. The correct selection and usage of the related data samples are part of this research and development process. The experimental setup includes a quantitative evaluation of the solution performance using the proper metrics. The research methodology concludes by identifying problems of ML through evaluation, designing improvements for the next set of experiments, or stating open questions for future work. **Prereq: CSC 340, MATH 220, CS 412 or permission by instructor**

Computer Science 350: Software Engineering
After successfully finishing this course students are expected to have in-depth knowledge of all phases of the software engineering lifecycle, i.e. requirements engineering and software design, software design, implementation, verification and validation, quality assessment, software re-engineering, and software reverse engineering methods. In addition to that, students are expected to acquire skills related to communication with the customer, teamwork, time management and global software development. **Prereq: CSC 450 or permission by instructor**

Computer Science 360: Introductory Data Science
This course is an introduction to data science using Python. Students learn how to process, clean and manipulate data in a variety of formats; visualise multidimensional data; communicate the findings of a data analytics project; apply machine learning algorithms to a variety of datasets; design pipelines for the evaluation of models performance. This course provides the student with the data-science skills and the analytical mindset necessary to meet the needs of business and the real-world decision-making problems. **Prereq: CSC 340, MATH 220 or permission by instructor.**

Computer Science 412: Object Oriented Design Patterns
The course revisits Object Oriented application development methodology at the Senior level, examining its effectiveness in the life cycle of professional applications and software reuse through the adoption of Object Oriented Design Patterns. It presupposes the knowledge earned through the introductory line of the Programming Fundamentals programme thread and follows level 5 modules relating to Data Modeling (CS 312) and Systems Design (CS450) while specializing them within the context of Web Development. Currently CSC 325 (Distributed Systems) is a necessary prerequisite concerning web deployment technologies.
The module mostly emphasizes the employment of OO concepts to Web Development yet it is of general enough nature for a level 6 module as the design patterns examined are applicable to a wide range of technologies and application domains.
Prereq: Computer Science C215, CS 312, CS325 or permission by the instructor.

Computer Science 421: Computer Systems Security
This course aims at providing both a theoretical and practical background concerning issues of security in modern, networked systems. Cryptography is covered first (essentially discussions of standard algorithms). The remainder of the module focuses on techniques that can be used to safeguard real systems. Topics that are covered include Key management and credentials, Steganography and watermarking, Network security (VPNs, Firewalls, Intrusion Detection) and System Security Policies. Risk assessment and threat models as well as social engineering will be covered.
Prereq: Computer Science 321, CS322 or permission by the Instructor.

Computer Science 422: Advanced DBMS
This course focuses on creating and manipulating databases using SQL and PL/SQL programming languages for Oracle databases. Advanced query capabilities and procedural constructs are described using SQL and PL/SQL. The theoretical foundation for using these capabilities is presented. Performance issues are discussed including indexing, key definitions, and data constraints. The role of application development in ease of use, query optimization, and system performance is discussed. The module aims to teach students to use advanced SQL statements and PL/SQL programming features such as IF statements, Loops, Stored Functions/Procedures, Tables, Cursors, Stored Packages, Stored Triggers and creating and maintaining various databases. SmartDraw and Designer of Oracle is used for ERD's. APEX, SQL Plus and SQL Navigator, SQL Server Management Studio are used as user interface of the databases. **Prereq: Computer Science 312**

CS 443: Capstone Project I (Thesis I) – CS 444: Capstone Project II (Thesis II)
This is a series of interconnected courses designed to be taken in sequence during the senior year. The courses provide students with a guided yet independent learning experience, allowing them to delve deeper into a substantial problem and apply the principles, techniques, and methodologies they have acquired throughout the Computer Science curriculum. The main

objectives of these courses are to enable students to engage in extensive research and development work, as well as to produce a comprehensive final project report. The course is divided into two distinct phases: the preparatory phase and the implementation phase. During the preparatory phase, students focus on conducting a literature review, evaluating different technologies, and defining the project's specifications. The implementation phase is centered around project development, experimentation, validation, interpretation and discussion of results, as well as documentation and final presentation. The first phase culminates with a comprehensive thesis proposal presented to a faculty panel, while the second phase concludes with the presentation of the student's thesis development work, results, and conclusions. In both cases, students are required to submit a comprehensive document, an academic poster, and deliver a concise slide presentation and demonstration of their work..

Computer Science 450: System Analysis and Design
The module introduces the waterfall model for system/application development and the formal tools employed in its various stages. The objectives of the module are to:

- Provide formal tools for functional and non-functional requirements collection and documentation (ERD, UML, DFD, STD's)
- Define the role of the systems analyst and designer.
- Build project management and interpersonal communication skills that the system analyst must have.
- Explain the methodologies that are used for systems analysis and design.
- Follow through the waterfall model (and discuss deviations therefrom), presenting the relevant tools at each stage.
- Provide the problem solving background for resolving trade-offs inherent in design.
- Present principles of quality and correctness testing.
- Provide students the opportunity to work as a team of analysts and designers in a project to implement the taught methodologies.

Students develop technical, analytical and business skills that support the pursuit of professional careers and advanced computer science studies. **Prereq: Computer Science 201 or 205 and Computer Science 312**

Computer Science 499: Advanced Programming Tools
This course is a complete introduction to .NET and object-oriented programming. This course will help students build a solid foundation in .NET, and show how to apply these skills by using numerous examples. Learning .NET introduces fundamentals like Visual Studio .NET, a tool set for building Windows and Web applications. Students learn about the syntax and structure of the Visual Basic .NET language, including operators, classes and interfaces, structures, arrays, threads, console, passing parameters, sessions, cookies and manipulating all type of strings. Students will also be asked to develop various kinds of applications--including those that work with databases (ADO)--and web services (ASPX) and making use of XML. Finally the course focuses on how to build installable applications using the Setup platform of .NET to create .MSI self-installed applications. **Prereq: Computer Science 412 or Permission of instructor**

MATHEMATICS

Mathematics 100: Mathematics for Decision-Making
An introduction to selected areas of mathematics in familiar settings with the objective of developing students' conceptual and problem solving skills. The course includes a study of mathematical concepts selected from graph theory, planning and scheduling techniques, statistics, probability, game theory, growth patterns, coding information, voting systems and apportionment. **May be taken as a Math and Statistics GER.**

Mathematics 101: Elements of Finite Mathematics
This course places an emphasis on the role of functions (coordinate systems, properties, graphs and applications of polynomial, rational, logarithmic and exponential functions), solving systems of linear equations, matrix operations, mathematics of finance, and introductory counting techniques. **May be taken as a Math and Statistics GER.**

Mathematics 115: Business Calculus
This course covers: rate of change and introduction of the derivative for functions of one variable; applications of the derivative to graphing one-variable functions and to optimization problems; introduction of functions of several variables and partial derivatives; problems of unconstrained and constrained multivariable optimization; applications of differential equations; integration of functions of one variable and applications, and advanced methods of optimization. Emphasis is placed on applications and problem solving through conventional and computer methods. **May be taken as a Math and Statistics GER. Prereq: Math 101**

Mathematics 120: Calculus I for Science and Engineering
This course provides a solid foundation in Calculus concepts, tools and techniques for the student entering Science and Engineering fields. The course covers definition, calculation, and major uses of the derivative, as well as an introduction to integration. Topics include limits; the derivative as a limit; rules for differentiation; and formulas for the derivatives of algebraic, trigonometric, and exponential/logarithmic functions. Also discusses applications of derivatives to motion, density, optimization, linear approximations, and related rates. Topics on integration include the definition of the integral as a limit of sums, anti-differentiation, the fundamental theorem of calculus, and integration by the U-substitution and Integration by parts technique. The course emphasizes conceptualization, modeling, and skills. There is a concentration on multiple ways of viewing functions, on a variety of problems where more than one approach is possible, and on student activity and discussion. **May be taken as a Math and Statistics GER. Prereq: Math 101 or CSC 180. No Prereq. for Biological Sciences Majors**

Mathematics 121: Calculus II for Science and Engineering
The purpose of this course is to give a solid foundation in Calculus concepts, tools and techniques for the student entering Science and Engineering fields.This course is a continuation to Calculus I for Science and Engineering where the student mastered: Limits, Differentiation, Anti-Differentiation and Basic Integration skills of 2D functions as well as basic introduction to parameterized curves and motion. This course will cover: Techniques and Applications of Integration. Topics will include: Integration by Parts; Integration by Partial Fractions; Trigonometric Integration; Numerical Integration; Improper Integrals; and Areas, Volumes, Mass/Moments and Work as Integrals; Infinite Series and Introduction to Vectors. Other topics addressed are: Convergence of Sequences and Series of numbers, Power Series representations and Approximations of Functions, 3D Coordinates, Parameterizations, Vectors, Dot and Cross Products, Equations of Lines and Planes. **Prereq: MATH 120**

Mathematics 130: Introduction to Mathematical Reasoning
The course aims to cover the basics of mathematical reasoning and problem solving to prepare incoming math majors for future courses which require proofs and rigor. Among other topics, the course will focus on: Fundamentals of mathematical arguments (definitions, elements of logic, quantifiers, theorems, proofs, counterexamples, proof by contrapositive and proof by contradiction); Sets and set-theoretic proofs; Counting and Combinatorial proofs; Mathematical Induction, smallest counter-examples; Relations and equivalence relations; Functions and Inverse Functions; Pigeonhole Principle and Inclusion-Exclusion; Cardinality of Sets.

Mathematics 201: Calculus III for Science and Engineering
The purpose of this course is to give a solid foundation in Calculus concepts, tools and techniques for the student entering Science and Engineering fields. This course is a continuation to Calculus II for Science and Engineering.
This course will address: Vectors, the dot and cross products, lines, planes, and surfaces. Vector-valued functions, their derivatives and integrals, the length and curvature of space curves, and velocity and acceleration along space curves, culminating in Kepler's laws. Functions of two or more variables are studied from verbal, numerical, visual, and algebraic points of view.

Contour maps and the Midpoint Rule are used to estimate the average snowfall and average temperature in given regions. Double and triple integrals are used to compute probabilities, surface areas, and (in projects) volumes of hyperspheres and volumes of intersections of three cylinders. Cylindrical and spherical coordinates are introduced in the context of evaluating triple integrals. Vector fields. The similarities among the Fundamental Theorem for line integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem are emphasized.
The course emphasizes on skill, conceptualization and some modelling. All three are of great importance. Visualization and analysis via the use of technology is used in lecture and could be addressed in Take-Home Assignments. **Prereq: MATH 121**

Mathematics 210: Differential Equations
The purpose of this course is to give a solid introduction to Ordinary Differential Equations, for students entering Science and Engineering fields. This course is a continuation to Calculus II for Science and Engineering where the student has mastered: integration skills of 2D functions, and some applications in physics.
This course will cover: First-order differential equations (Linear, separable, and exact .Method of integrating factor), Second-order linear equations (Homogeneous, non-homogeneous, the Wronskian, method of variation of parameters). The Laplace transformation (Series solutions. Systems of first-order linear equations).
Other topics addressed are: Integral curves of solutions, via software (MATLAB, Mathematica, or other), Numerical approximations: Euler's method, The Existence and Uniqueness Theorem, Matrix Algebra.
The course emphasizes on skill, conceptualization and some modelling. All three are of great importance. Visualization and analysis via the use of technology is used in lecture and could be addressed in Take-Home Assignments. **Prereq: MATH 121**

Mathematics 215: Differential Equations and Linear Algebra
The idea of constructing mathematical models to address real-life applications is at the core of the interplay between mathemat- ics and the sciences. In the context of natural sciences, it is often the case that these models involve univariate functions and their derivatives. The course will present an overview of the methods to set- up and solve such equations, called ordinary differential equations (ODE). In parallel, and motivated by systems of linear differential equations, the course will cover the core concepts of Linear Algebra. Following the completion of the course students are expected to have mastered the following topics: First Order Differential Equations; Higher Order Linear Differential Equations; Laplace Transforms; Numerical Methods; Boundary Value and Initial Value Problems; Applications to the Sciences; Systems of Equations and Matrices; Linear Transformations and Eigenvalues.

Mathematics 220: Discrete Mathematics for Computer Science
Discrete mathematics can be defined as the study of structures consisting of a sequence of individual, separated steps. As such, they contrast with calculus, the latter describing processes which vary continuously or smoothly. If one can claim that the ideas of calculus were fundamental to the industrial revolution, then one can safely assume that the backbone of the science and technology of the computer age is discrete mathematics.
The purpose of this course is for the students to understand and use the aforementioned discrete backbones of computer science. In particular, this class is meant to introduce logic, proofs, sets, relations, functions, counting, and probability, with an emphasis on applications in computer science. Further, this course will cover fundamental mathematical foundations required for conceiving, proving, and analysing algorithms. **Prereq: MATH 101, Computer Science 105 or permission by instructor.**

MATHEMATICS 230 – Linear Algebra for Computer Science
This course is an introduction to the field of Linear Algebra, and focuses on the interplay between geometry, abstract algebra and hands-on programming. The main learning objectives are grouped in the four categories mentioned in the brief description above: students are expected to sharpen their geometric and visualization skills, develop and enhance abstract thinking via theoretical results and proofs, perform explicit computations cultivating and nourishing previously acquired programming skills, and apply the course's core concepts on a wide variety of modern disciplines related to Computer Science. The course material and topics covered fall under four general categories. Visualization: focuses on the geometric aspects of

linear algebra, including, but not restricted to, vectors, spaces of vectors, projections and rigid motions. Abstraction: makes use of the theoretical structures developed over the years, such as vector spaces, matrices, linear transformations, eigenvalues and eigenvectors. Computation: relates the geometry and abstract algebra of the previous two categories to programming via concrete algorithms: Gaussian elimination, determinants, Cramer's method, Gram-Schmidt and matrix multiplication. Applications: refers to connecting Computer Science oriented problems to the tools developed. The course aims to demonstrate applications of Linear Algebra to Optimization, Linear Programming, Graphic Design, Artificial Intelligence and Machine Learning.

STATISTICS

Statistics 201: Statistics with Software
This module is an introduction to descriptive and inferential statistical methods. This introductory module covers the concepts and techniques concerning exploratory data collection and analysis, basic frequency distributions, correlation, central tendency and variation, basic probability principles, sampling distribution and statistical inference. Students will be exposed to these topics and will examine how each applies to and can be used in real life applications. Students will master problem solving using both manual computations and statistical software.
The course will be balanced between classic text-oriented resources and relevant computer software. It intends to help students develop their critical thinking and problem solving ability. Students are expected to have read attendance. Upon completion of this course, it is the aim and hope of the mathematics faculty that students who work hard and apply themselves will be able to:

1. Acquire solid statistical skills necessary to meet the needs of the real-world decision-making problems.
2. Effectively communicate the results of a statistical analysis both orally and in writing.
3. Gain fundamental statistical knowledge and skills required for a higher-level module in related fields.
4. Encourage modeling and connecting Mathematics to various disciplines.

Statistics 205: Introductory Statistics
This course introduces students to basic statistical concepts and techniques. Each technique is illustrated by examples, which help students to understand not only how the statistical techniques are used, but also why decision-makers need to use them. Topics covered include Frequency Distributions, Statistical Descriptions, Introduction to Probability Theory, Discrete Probability Distributions, Continuous Probability Distributions, Sampling and Sampling Distributions. Emphasis is given to problem solving with the use of statistical software.
May be taken as a Math and Statistics GER. Prereq: Computer Science 101, Math 101

Statistics 206: Biostatistics
This course is an introduction to descriptive and inferential statistical methods with a focus on biological applications. It covers concepts and techniques concerning exploratory data analysis, frequency distributions, confidence intervals and hypothesis testing, correlation and regression, central tendency and variation, probability principles, sampling distribution and statistical inference. Students will be exposed to these topics and will examine how each applies to and can be used in biological applications. Students will master problem solving using both manual computations and the open-source R-programming environment. The course will be balanced between classic text-oriented resources and relevant computer software. It intends to help students develop their critical thinking and problem solving ability.

Statistics 210: Introductory Statistics with R
This module is an application-oriented introduction to modern descriptive and inferential statistics using R statistical software. Students are first exposed to the basics of the R software including writing scripts and data manipulation. Then, a variety of statistical topics are discussed: study design, descriptive statistics, data visualisation, random variables, probability and sampling distributions, point and interval estimates, hypothesis tests, and linear regression. Various real-world datasets are used for the application of the techniques learnt.. **Prereq.: CSC 180 or MATH 120 and CSC 101 or CSC 105.**

Statistics 305: Statistics II
Continuing from Statistics 205, this course focuses on Interval Estimation, Hypothesis Testing, Statistical Inference about Means and Proportions with Two Populations, Inferences about Population Variances, Analysis of Variance and Experimental Design, Simple Linear Regression and Correlation, Index Numbers, and Non-parametric Methods. Emphasis is given to problem solving with the use of statistical software. **Prereq: Stat 205**

Statistics 310: Probability and Statistics
This is an introduction course to the theory of probability and statistics. Its goal is to develop both mathematical thinking and the tools and concepts necessary for modeling uncertainty and data analysis in real-world problems. This is a Calculus-based course and assumes a working knowledge of single-variable calculus as well as some acquaintance with multivariable calculus (including multiple-integration). It covers concepts and techniques concerning counting and probability principles, random variables, parameter estimation, confidence intervals and hypothesis testing, correlation and regression, central tendency and variation, sampling distribution and statistical inference. Students will be exposed to these topics and will examine how each applies to and can be used in applications. The course will be balanced between classic text-oriented resources and relevant computer software. It intends to help students develop their critical thinking and problem-solving ability. Students are expected to have read assignments prior to class attendance. **Prerequisite: Stat 205**

NATURAL AND PHYSICAL SCIENCE COURSES

Anatomy and Physiology 115: Integrated Human Anatomy and Physiology I
This course is the first part of a two-part Anatomy & Physiology Course. It is designed to provide an understanding of the anatomical structures, function and regulation of integumentary, muscular, skeletal, nervous and endocrine systems. This course aims to provide students with knowledge of normal function of the organ systems and thereby provide the information base for interpreting data relating to health and disease. For those in health fields, this information will serve as the foundation for most of your courses. **Co-requisite: Human Anatomy & Physiology 115 Lab**

Anatomy and Physiology 116: Integrated Human Anatomy and Physiology II
This course is the second part of a two-part Anatomy & Physiology Course. It is designed to provide an understanding of the anatomical structures, function and regulation of cardiovascular, respiratory, digestive, urinary, and immune systems. This course aims to provide students with knowledge of normal function of the organ systems and thereby provide the information base for interpreting data relating to health and disease. For those in health fields, this information will serve as the foundation for most of your courses. **Prereq: Anatomy and Physiology 115. Co-requisite: Human Anatomy & Physiology 116 Lab**
Biology 101: Introduction to Biology
This course introduces the basic principles of modern biology, the framework within which new discoveries are interpreted and the relations among various branches of biological research. Emphasis is given to mammalian - particularly to human - biology, the genetic revolution, the eukaryotic cell, and multicellular systems. Laboratory included.
May be taken as a Natural and Physical Science GER.

Biology 112: Principles of Biology
This course is designed to introduce the basic principles of modern biology, the framework within which new discoveries are interpreted, and the relations among various branches of biological research. The goal of this course is to provide first year college students with a firm grasp of the major concepts underlying biological processes. Students who are interested in careers in biological sciences, biomedical sciences, and biotechnology should find that the course provides a firm grasp on an understanding of the concepts that will serve them well in their academic track that lies ahead. The materials covered include the structural and functional aspects at the molecular and cellular level of the following: cell structure and function, cell organelles, cellular reproduction, cellular respiration, photosynthetic pathways, Mendelian inheritance, DNA structure, replication, gene structure, and gene function and expression/control. **May be taken as a Natural and Physical Science GER.**

Biology 113: General Biology 2
Upon Completion of this course students should be able to: Describe the theory of evolution, the mechanisms of evolution especially by means of natural selection, the evolution of populations and species, and the evidence in support of evolution; Describe the history of life on Earth and research into the origin of life as well as the major periods of geologic time, the fossil record and the role of changing environmental conditions and mass extinctions in the evolution of life; Recognize a phylogenetic tree and the principles involved in grouping organisms on an evolutionary tree; Distinguish between organisms in the 3 domains of life and provide identifying characteristics of each; Identify groups of protists, the main clades of fungi, major groups and evolution of land plants and key characteristics and evolution of both invertebrate and vertebrate animals; Describe the societal implications of biopharmaceuticals, ocean acidification, climate change, habitat destruction and loss of biodiversity on human health. **Prereq: Biology 112**

Biology 140 - Epidemiology and Microbiology Principles and Applications to Public Health
The first part of this course presents an introduction to epidemiologic definitions, concepts, and methods. Topics include descriptive epidemiology, measurement of disease occurrence and association, measures of risk, and public health surveillance. The second part of the course presents an introduction to basic microbiology with particular emphasis on the biology of bacteria, fungi and viruses in disease, foods and the environment. Topics include structure of bacteria, fungi and viruses, growth requirements, heat inactivation kinetics, and detection methodologies. The course also teaches skills for quantitative problem solving and for understanding epidemiologic concepts in the published literature.
The topics covered are: Introduction to Epidemiology, Measures of risk, Public Health Surveillance, Virtual lab: A pandemic outbreak. Basic Microbiology.

Biology 201: Foundations of Microbiology
The goal of this course is to introduce foundational concepts in microbiology and their connection with all the health care fields. The course subjects include the identification of microbes, mechanisms of pathogenicity and microbial disease, structure and response of the host immune system, and prevention against the spread of infectious disease.

Biology 230: GENETICS AND MOLECULAR BIOLOGY
This course aims in developing an understanding of fundamental concepts in genetics and molecular biology. We will examine the central dogma in molecular biology, cell division, regulation of gene expression, Mendelian, non-Mendelian and molecular genetics, genes linkage and mapping, mutations, biotechnology, developmental, evolutionary and population genetics.

Biology 299: INQUIRIES IN BIOLOGICAL SCIENCES
This course is structured in order encourage students thinking about concepts in biology from a different perspective compared to what they were taught in their first semester of college. During the course, we will investigate the biology of stress responses to environmental factors, like extreme temperature, pollutants, and pathogens, examine the involved mechanisms at different levels of biological organization and discuss the effects of these exposures for an organism and a population. Many different areas related to the topic will be surveyed, including biochemistry, regulation of gene expression, metabolism, cell signaling, physiology, and population dynamics. These topics will be discussed based on the following core concepts of biology: 1. Evolution, 2. Structure and Function, 3. Information flow, 4. Pathways and transformation of energy, 5. Systems Biology.

Biology/Philosophy 310: Bio Ethics
This is a required course for all Biological Sciences majors. It is structured to encourage students to consider the values and ethical principles relevant to life and to the application of biomedical technology for the maintenance, extension, and even production of life. The module will provide students with an understanding of core terms, concepts, and decision-making procedures used to discern and defend moral issues mainly related to life's beginning and life's end. The module has two principal aims. First, it considers some of the mainstream Western approaches to moral philosophy, including the ones of Aristotle, Rousseau, and Kant. Second and mainly, it seeks to apply these theories and others to contemporary biomedical sciences. The students will be exposed to some of the most challenging topics in the field, which include: personal autonomy,

privacy, confidentiality & medical records, the right to refuse treatment, ethics of research on animals and humans, and philosophical and religious dimensions of life (abortion, assisted reproduction, disability, transplantation, euthanasia, etc.) Finally, the students will develop the ability to identify world views that give rise to moral norms and values.

Biology 320: Biochemistry
This course will provide an introduction to biomolecules in living matter. The simplicity of the building blocks of macromolecules (amino acids, monosaccharides, fatty acids and purine and pyrimidine bases) will be contrasted with the enormous variety and adaptability that is obtained with the different macromolecules (proteins, carbohydrates, lipids and nucleic acids). The nature of the electronic and molecular structure of macromolecules and the role of non-covalent interactions in an aqueous environment will be highlighted. The unit will be delivered through lectures, formative practicals and related feedback sessions to ensure students fully understand what is expected of them. Short tests (formative assessment) will be used throughout the unit to test students' knowledge and monitor that the right material has been extracted from the lectures.

Biology 330: Cell Biology and Histology:
This is a required module for all Biological Sciences majors. This module is designed to provide an understanding of the fundamental aspects of cell biology and tissue organization. The central object of study is the eukaryotic cell, its intracellular molecules, and the interac- tions between cells that result in the construction of multicellular organisms. This is a combined lecture and lab module that explores the relationship between structure and function at the cellular and tissue levels. The module will give the students an introduction to the structure and function of cells and cellular structures including the plasma membrane, cytoplasm, intracellular organelles, extracellular matrix, epithelia, and glands. Its overarching aim is to provide students with knowledge of the general organization and functions of the different cellular organelles, the diversity of animal and plant cells, and the cytophysiological characteristics that define the different tissues.

Biology 350: Microbiology and Infectious Diseases
This course emphasizes on the microbiology of infectious diseases through analysis of case studies and specific outbreak examples. Upon completion of this courses, student will be able to critically discuss the virulence and pathogenicity of infectious agents (bacteria, viruses, fungi and other parasites); centered on the interplay of the host – microbe balance; using indicative case studies. Apply theoretical knowl- edge of identification & classification, epidemiology, pathogenicity & virulence, of infectious agents on the treatment & control of patho- gens using selected examples of infectious diseases. Critically discuss the strategies available to control and treat microbial & viral diseases.

Biology 400: Senior Seminar
This is a seminar course that will be addressing one or more topics including: Social Medicine, Development and Differentiation, Community Health, Neuropathological Mechanisms, Immunology, Pharmaceutical Chemistry, Human Genetics, Evolutionary Medicine

Biology 410: Principles of Epidemiology and Public Health
This is a required course for all Biological Sciences majors. It is designed to cover basic epidemiology principles, concepts, and procedures useful in the surveillance and investigation of health-related states or events. The course will provide students with a basic understanding of the practices of public health and medical statistics required for preventing and addressing population-based health outcomes. The c ourse explores the basic principles and methods of public health epidemiology. The biological, environmental, sociocultural, and behavioral factors associated with the etiology and distribution of health and disease are also investigated. In this context, topics covered in this course include: basic principles of epidemiology; measures of disease frequency; epidemiologic study designs: experimental and observational; bias; confounding; outbreak investigations. Moreover, the course focuses on providing an understanding of the evolution of public health, so that the students realize the global nature of the discipline, the way historical events and threats have shaped it, and its significance for identifying solutions for public health issues.

Biology 420: Environmental Health and Toxicology
This is a required course for all Biological Sciences majors. This course explores the structure and function of ecosystems, the relationship people have with their environment, the risk management choices made, and the resulting associations that affect health and physical well-being for the individual, communities, and susceptible populations. Additionally, it focuses on describing the body's response to drugs, foods, and toxic substances and it examines the biological responses to acute and chronic exposure to environmental, dietary, occupational, and pharmaceutical stress factors. The goal of this course is to provide students with information about the fundamental principles of organization and function of earth's terrestrial and aquatic ecosystems, the effects of human activities on ecosystems functions, and the ways environmental factors impact health outcomes, and the control measures currently used to prevent or minimize the health effects from these negative impacts. Additionally, the course focuses on developing an understanding of how the body's biochemical and physiological mechanisms operate to manage exposure to toxins, poisons, and drugs.

Biology 430: Biotechnology Principles and Applications
This course introduces the technology currently used in the analysis and engineering of genes. It also introduces the principles of allied technologies (proteomics, transcriptomics, and cell culture) and exposes students to industry through a site visit to a biotech company and provides an introduction to the use of a model-guided design for experimentation in biotechnology. Upon completion of this courses students will be able to understand modern biotechnology methods used to introduce genes in bacteria, plants and animals. Integrate principles of proteomics, transcriptomics and cell culture and understand their utility and applications in industrial biotechnology. Appreciate the reasons for experimental repetitions and replicates and the importance of appropriate statistical analysis for interpretation of experimental data. Gain practical knowledge of recombinant DNA techniques and basic protein isolation and characterization techniques. Gain an appreciation of the inter-disciplinary nature of modern laboratory-based biological tools and techniques.

Biology 450: Immunology
This is a required course for all Biological Sciences majors. The course is designed to introduce students to the study of the molecular and cellular interactions and principles of the immune system. Topics such as immune system organization and development, humoral & cell-mediated immunity, immunodeficiency, and autoimmunity will provide the students with a broad body of interdisciplinary concepts related to homeostasis at the systemic level. Upon completion of this course the student will have a thourough understanding of immuno- logical responses to disease factors. Students will learn about the organization, structure, and function of the immune system, how it can fight infection and why in some cases an immune response can fail. In addition, the course focuses on describing the type of immune responses activated by different kinds of factors, and how infectious agents can overcome the natural immune response and cause disease.

Biology 493: Thesis I
This course is the first half of a year-long capstone project, concluding the students' four-year learning experience in the Biological Sciences program. It is designed to foster research, autonomy and synthesis of concepts and skills acquired in all other courses. The first half of the capstone project (SNCB 493) is devoted to research/analysis and design, while the second semester counterpart (SNCB 494) places emphasis on implementation, experimental validation, thesis writing and final project presentation. This c ourse will provide students with an opportunity to work in a guided but increasingly independent fashion, to explore a particular problem in depth, to make practical use of principles, techniques and methodologies acquired elsewhere in the course. To challenge students to form a scientific thesis, carry out a sustained piece of individual work to prove or disprove it, and to present their project work in a dissertation. To enhance communication skills, both oral and written.

Biology 494: Thesis II
The module is the second half of a year-long capstone project, concluding the students' four-year learning experience in the Biological Sciences program. It is designed to foster research, autonomy, and synthesis of concepts and skills acquired in all other modules. The first half of the capstone project (SNCB 493) is devoted to research/analysis and design, while the second-semester

counterpart (SNCB 494) places emphasis on implementation, experimental validation, thesis writing, and final project presentation.

Chemistry 117: General Chemistry for the Biological Sciences
This course is designed to introduce biology students to the fundamental principles of chemistry. Topics to be covered include atomic structure, chemical equations, the periodic table, chemical bonding and intermolecular interactions, thermochemistry, reaction spontaneity, reaction rates, chemical equilibria, acid base chemistry and reactions in aqueous systems. Emphasis will be given to applications of chemical principles in biological systems. Students will develop an understanding of: Atomic structure and chemical properties of elements; Chemical reactions and reaction stoichiometry; Nature of chemical bonding and molecular shape; Significance of intermolecular forces; Thermodynamics of chemical reactions; Chemical kinetics, chemical equilibria, reaction rates, Acid base chemistry, and Buffers, acid base equilibria. . **Co-requisite: Chemistry 117L**

Chemistry 215: Organic Chemistry I
This course is designed to introduce students to the fundamental principles of chemistry of carbon-containing compounds, including three-dimensional structures, chemical properties and methods of structural identification, reactions, and syntheses. Topics to be covered include, stereochemistry, and functional group characteristics of alkanes, alkenes, alkynes, alkyl halides, alcohols, and ethers, with an emphasis on reaction mechanisms and multi-step syntheses. **Co-requisite: Chemistry 215L**

Chemistry 216: Organic Chemistry II
This is a required course for all Biology majors. It continues Organic Chemistry I. It is designed to introduce biology students to the basic concepts in organic chemistry in order to better comprehend related subjects such as Biochemistry, Biotechnology and Environmental Health and Toxicology. Elucidate reaction mechanisms using curved arrows for reactions of ethers, conjugated systems, and aromatic compounds. Assign the stereochemistry of more elaborate organic compounds. Explain the mechanisms of reactions of condensations and alpha substitutions of carbonyl compounds. Describe and explain the reactivity of amines and carboxylic acid derivatives toward a selection of reagents. Discuss the use of NMR, IR, and MS in the elucidation of organic structure. Emphasize on applications of chemical principles in biological systems. **Co-requisite: Chemistry 216L**

Ecology 110: Ecological Principles
The goal of the course is to introduce students to general ecology. It focuses on major ecological concepts in order to provide students with a robust framework of the discipline upon which they can build. Each discussion is organized around two or four major concepts to present the student with a manageable and memorable synthesis of the lecture and it is supported by case histories that provide evidence for the concept and introduce students to the research approaches used in the various areas of ecology. Special emphasis to local environmental problems countries face and the approaches they use in solving these problems. Laboratory included. **May be taken as a Natural and Physical Science GER.**

Nutrition 130: Fundamentals of Human Nutrition
The course explores basic concepts of the science of nutrition. Topics include description and role of nutrients, their dietary sources and their fate into the human body (digestion, absorption etc.); energy balance and weight control; eating disorders; nutrition at different developmental stages (childhood, pregnancy, lactation, old age); nutrition in the development/ prevention of human diseases. Emphasis will be given in the use of scientific methodology to explain how nutrients and other food constituents contribute to proper growth, development and health. (4 credits). **May be taken as a Natural and Physical Science GER.**

Physics 120: University Physics I, for Science & Engineering
This course is designed to introduce students to the fundamental principles of Mechanics. Topics to be covered include Dynamics, Work, Kinetic and Potential Energy, Systems of Particles, Momentum, Collisions, Rotation, Torque and Angular Momentum, Statics. As far as specific Systems and Force Laws we will look at Fluids, Oscillations, and Gravity. **May be taken as a Natural and Physical Science GER.**

Physics 121: University Physics II, for Science & Engineering
This course is the second of a two-semester sequence of college Physics courses for students in the sciences and engineering. Topics to be covered include electric fields and Coulomb's Law, Gauss' law, capacitors, resistors and DC electric circuits, magnetic fields, induction and the basic properties of electromagnetic waves. In this course, we want you to learn how to analyze mechanical systems using Newton's laws. In particular, you should learn to: Describe wave motion graphically and algebraically, apply calculus to the study of waves, identify the electric forces acting on a charge, and work with systems of charges, learn and work with the concept of the electric field for point charges and extended bodies, understand the principles Gauss' law and the work with calculus to do this, work with electric potential for systems of charges and extended bodies of charge, understand capacitance and how charge and energy are stored in such devices, understand resistance and know how to work with simple DC networks of resistors, be able to work with small combinations of resistors and capacitors (RC circuits), work with the forces on charges and current elements in magnetic fields, know how moving charges and current elements produce magnetic fields, be able to work with changing magnetic field fluxes which induce EMF's (Faraday's law), work with the inductance of a coil.

Research 190: Introductory Undergraduate Guided Research
This course/module is designed to provide undergraduate students with an introduction to research in Biology, Chemistry or Physics. In Research 190, we will take a practical look at how one goes about conducting research in Biology, Chemistry, or Physics. Strategies for reading and writing in the sciences, scientific ethics, and experimental design, will be addressed. Students will be expected to demonstrate knowledge related to the area of their research topic, design and perform an experiment, and present their findings.

OFFSHORE SAILING COURSES

Sea Sail 100: Sea Sailing Fundamentals
This practical course is for those with little or no experience. The syllabus includes basic seamanship, helmsman ship, and sail Trimming and becoming a confident and competent Crew member on board a yacht. The course has both theoretical and practical (On-Board) components; with the latter being the largest part of the course. **(1 credit)**

Sea Sail 101: Introduction to Sea Sailing
The aim of this course is to provide the basic yachting skills so that successful students will be safety conscious, have a basic knowledge of sailing and be capable of taking a yacht out without an Instructor on board in light to medium winds in protected waters. The course has both theoretical (In-Class) and practical (On-Board) components; with the latter being the largest part of the course. **(3 credits)**

Sea Sail 201: Introduction to Racing Sea Sailing
This course is aimed at those students who aim at something more intense, vigorous and demanding than a simple cruise, and certainly for all those thrilled by the adrenaline kick once in control of the elements, the sea and the wind! The syllabus involves hours of practice in boat handling, trimming, racing rules and race tactics. All crews participate in the local Sailing Championship of Thessaloniki while also given the opportunity to further participate in significant racing events during the summer such as the Aegean Regatta, The Aegean Rally, The Greek National Offshore Championship and the North Aegean International Sailing Week Cup

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