

FALL 2026 TENTATIVE COURSE OFFERINGS*

The American College of Thessaloniki plans to offer a wide array of courses from the Divisions of Business, Humanities & Social Sciences, and Technology & Science for the Fall 2025 semester. For those students in the Study Abroad Program, prerequisite requirements can be waived if comparable completed coursework at their home institution can be demonstrated.

*Please note that ACT reserves the right to cancel a class due to low enrollment and will work to provide appropriate alternatives for those students impacted by any changes in course offerings.

DIVISION OF BUSINESS

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 decision-making responsibilities. Topics include management accounting vs. financial accounting, classification and behavior of costs, CVP analysis, segmented reporting, standard costing and responsibility accounting. (3 credits)

Business Administration 240: 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 cover issues relating to different forms of getting incorporated and labor law (3 credits)

Business Administration 398: Undergraduate Internship in Business

This course aims towards junior or senior students so as to offer them an opportunity to apply their so far gained academic knowledge. This internship is an academic course and credit is awarded due to learning not just for working. The course's main goal is to provide students with an opportunity to gain work experience that will enhance and complement their academic learning. The course requirements are designed to provide a structure that will enable students to make connections between what they learn in the classroom and on the job, to further develop analytical and interpersonal skills, and to practice business writing skills. (3 credits)

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. (3 credits)

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 can 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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



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 statement, 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. (3 credits)

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 economics and corporate finance, covers both the management and the markets of multinational and European businesses. 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. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

Management 219: Entrepreneurial International Business

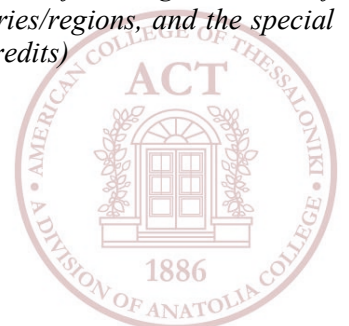
The objective of this course is to present an overview of the global environment within which firms operate. Students are exposed to all aspects of international business and will learn how to interpret international developments and evaluate their consequences for the firm. Among the topics considered 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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece

T +30 2310 398398E admissions@act.edu

www.act.edu



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. (3 credits)

Management 322: Business Strategy

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. (3 credits)

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. (3 credits)

Marketing 200: Principles of 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. (3 credits)

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. (3 credits)

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".(3 credits)

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 consumer 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 consumer behavior is critical to the field of (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece

T +30 2310 398398E admissions@act.edu

www.act.edu



DIVISION OF HUMANITIES & SOCIAL SCIENCES

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 course work will be visits to local museums and galleries to examine firsthand artworks illustrating the different principles studied. (3 credits)

Communication 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. (3 credits)

Communication 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. (3 credits)

Communication 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. (3 credits)

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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



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. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece

T +30 2310 398398E admissions@act.edu

www.act.edu



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. (3 credits)

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 our 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. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



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. (3 credits)

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. (3 credits)

Politics 350: 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. (3 credits)

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 (3 credits).

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 psychophysiolgists 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 (3 credits)

Psychology 205: Research methods and Statistics I

This is a course in which students are given the opportunity to develop an understanding of the research process and familiarize themselves with main paradigms and key methodologies and methods in Psychology research. It helps students understand the strengths and limitations of different research paradigms, various research methodologies and methods in Psychology. Also students learn a) about the main qualitative-research concepts (code, taxonomy, theme, theory) and b) about key statistics-related concepts (populations, samples, variables). They are introduced respectively to qualitative data analysis, mainly thematic analysis and also to quantitative data analysis and in particular, descriptive statistics where they learn about identification of variables, frequency distributions, measures of central tendency and variability. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



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. (3 credits)

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. (3 credits)

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 (3 credits)

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. (3 credits)

Psychology 310: Organizational Psychology

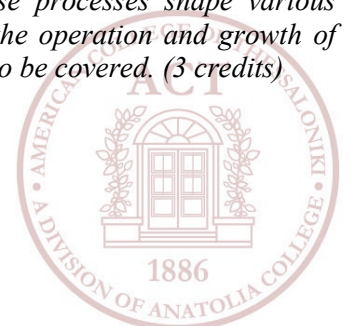
Through this course the students will understand in depth the influence and interaction between organizations and the groups and the individuals who lead and work within them and will learn to analyze how these processes shape outcomes related to the use of human capital and to organizational effectiveness. 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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece

T +30 2310 398398E admissions@act.edu

www.act.edu



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. (3 credits)

Psychology 370: Psychology of Trauma

This course is designed to facilitate students' knowledge and insight into the psychological impact of trauma from different sources, including accidents and life-threatening events, interpersonal abuse and violence, terrorism, natural disasters and others. 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 on and off campus will be provided at the beginning of class. (3 credits)

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. (3 credits)

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. (3 credits)

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. (3 credits)

DIVISION OF TECHNOLOGY & SCIENCE

ART 130: Introduction to Photography, from the analog to digital era

This course introduces students to digital photography and image editing. Students will develop artistic skills in photography through experience in creation, observation and critical consideration 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 student work, lab work, museum and studio visits. In addition, students will be exposed to key photographic artistic movements (3credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



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. (4 credits)

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 interactions 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. (4 credits)

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. (3 credits)

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 course 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. (4 credits)

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. (4 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



Computer Science 108: Digital Tools for the Humanities

This course is an introduction to multimedia tools that are essential for the effective and visually appealing communication through a variety of digital applications. Media components, such as digital images, graphics, text elements and digital video are introduced and their parameters defined and studied. Software multimedia development tools, necessary for the creation of digital media, are presented and students acquire hands-on experience with a package for each media category. Emphasis is given on the proper workflow that should be followed in order for the desired result to be achieved in a time efficient, productive and professional manner that meets both the standards and the trends of the industry. Multimedia project design parameters are examined and applied to a student capstone project. The main software used in this module will be Adobe Photoshop/ photopea.com (online editor), Adobe Bridge and Adobe Premier Rush. (3 credits)

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. (3 credits)

Computer Science 206: Web Development

CS 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. (3 credits)

Computer Science 310: Hardware & Computer Architecture

This course addresses the structure and function of modern digital computing devices, ranging from the compilation process down to the hardware level. Despite the pace of change and variability in the fields of informatics, electronics and computer engineering, certain fundamental digital design concepts apply consistently throughout. CS310 students will both gain the relevant theoretical understanding and have a chance to apply it in practice designing, simulating, troubleshooting and optimizing their own combinational and sequential logic circuits. The course concludes with a discussion on system level organization and architecture of modern computing devices. This course builds on knowledge and skills acquired in CS105 – Introduction to Programming I. Upon successful completion of the course students be able to:

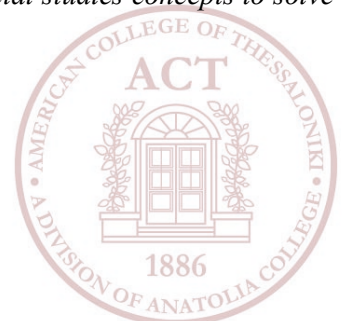
- Understand and be able to explain the significance and function of fundamental components within a typical modern computing device (processor, memory, I/O, operating system), their interconnections with each other and the outside world.*
- Comprehend and follow the data flow through the internal structure of a digital microprocessor.*
- Understand the importance and function of logic gates as primary building components in digital design.*
- Analyze combinational digital circuits and optimize them using Karnaugh maps.*
- Be able to design, simulate, troubleshoot and optimize their combinational and sequential digital logic circuits.*
- Recognize and understand basic Assembly language and Machine Code. (3 credits)*

Computer Science 322: Network Operating Systems and Administration

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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



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. (3 credits)

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; visualize 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. (3 credits)

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. (3 credits)

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. (3 credits)

Computer Science 443: Capstone Project I

This is a set of linked courses (CSC 443-444) to be taken in sequence over the course of the senior year. The course aims to give students the opportunity to work in a guided but independent fashion to explore a substantial problem in depth, making practical use of principles, techniques and methodologies acquired elsewhere in the program of studies. It also aims to give experience of carrying out a large piece of individual work and in producing a final project report. It has two distinct phases: the preparatory phase focusing on literature review, assessment of Technologies and Project Specification and the implementation phase focusing on project design, development, documentation and presentation. 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. (3 credits)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu



Mathematics 101: Elements of Finite Mathematics

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. (3 credits)

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), Secondorder 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 (3 credits)

Sea Sail 101-3: 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)

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)

Anatolia College | Anatolia High School | Anatolia Elementary School

17 V. Sevenidi Str., P.O. Box 21021, 555 35 Pylea, Thessaloniki, Greece
T +30 2310 398398E admissions@act.edu
www.act.edu

