

SUMMER 2017

COURSES DESCRIPTION

USC

UNIVERSIDAD DEL
SAGRADO CORAZÓN



DEPARTMENT OF BUSINESS ADMINISTRATION

EMP-ENTREPRENEURSHIP COURSES

EMP 390. SPECIAL TOPICS: COMPARING AND CONTRASTING AMERICAN AND LATIN AMERICAN APPROACHES TO MANAGEMENT AND ENTREPRENEURSHIP.

Culture is a key factor that influences management styles and entrepreneurial mindset, especially through cultural dimension such as individualism/collectivism, power distance and uncertainty avoidance (Hofstede, 1980). Puerto Rico has the unique experience of sharing a Latin American culture with an Anglo influence, mainly through its political, legal and trade relationship with the United States. This combination allows an approach to both styles, facilitating the identification and development of business opportunities across America. This course explores the discipline of managerial and entrepreneurial development from both styles and perspectives. It discusses the economic, legal, social and cultural environment of the region, the identification of business opportunities, business model development, business strategy and related case studies. The methodology includes teamwork, design thinking, link with companies and entrepreneurs and the social dimension of businesses. 3 credits (July) **(Offered in English)**.

EMP 105. PLANNING AND DEVELOPMENT OF NEW BUSINESSES. (Prerequisites: ADM 102). Study and analysis of new businesses considering the current market and changes in the economy. Study of the opportunities for development and alternatives of financing, analysis of marketing and the tools necessary for effective operations of a company. Discussion of topics such as the development and preparation of business plans, permit process, legal aspects, financing of a business, sources of funds, among other topics. 3 hours a week, 1 semester, 3 credits. (June)

ADM-MANAGEMENT COURSES

ADM 201. BUSINESS LAW I. Study of the fundamental and general concepts of business law needed for managerial work, beginning with the constitutional basis of our system. Emphasis on provisions related to obligations and contracts. Business law is studied as a branch of law that specifically covers commercial activities and the obligations arising out of these activities. Reference is made to Puerto Rico legislation and jurisprudence. 3 hours a week, 1 semester, 3 credits. (June)

CON-ACCOUNTING COURSES

CON 211. PRINCIPLES OF ACCOUNTING FOR MANAGERS I. This course is for Business Administration students whose major is not accounting. Analysis of basic accounting principles for managers. Study of the financial accounting cycle for buying and selling of goods and services. Management accounting for manufacturing enterprises and the analysis of financial statements is studied. 4 credits. (June)

CON 212. PRINCIPLES OF ACCOUNTING FOR MANAGERS II. (Prerequisite: CON 211). This course is for Business Administration students whose major is not accounting. Study of cost accumulation systems. Analysis of the cost-volume-benefit relation, planning and budget control process. Discussion of evaluation results through the use of standard cost and capital budget. 4 credits. (July)

ECO-ECONOMICS COURSES

ECO 235. PRINCIPLES OF MICROECONOMICS. (Prerequisite: MCO 150). Analysis and discussion of different market structures that exist in the capitalist economy and how these generate different behaviors, consequences and equilibrium in the relationships among producers, consumers, and the government. Study of the partial equilibrium theory of markets and price functioning as a tool that regulates, rationalizes, and directs economic activity. Takes into consideration the government's role as market regulator to ensure the stability of the economic system. The sources of power that give origin to the markets of productive resources, their distribution and their effects in the general well-being of the economy are studied. 3 credits. (June)

ECO 236. PRINCIPLES OF MACROECONOMICS. (Prerequisite: ECO 235). Study of economic aggregates. Analysis of real and monetary indicators of the economic activity. Discussion of investment, savings and production theories, as well as monetary, price, and interest theories. Study of traditional models for determining income. Analysis of economic policy objectives and their fiscal, monetary, and credit tools. 3 credits. (July)

GME-MARKETING MANAGEMENT COURSE

GME 201. PRINCIPLES OF MARKETING. The study of marketing as a human activity geared to satisfy the consumer's needs through a process of economic, social, cultural, psychological and political exchange that affects every type of organization. The role of organizations and individuals as participants of said process is discussed. 3 credits. (June)

MCO-BUSINESS MATHEMATICS COURSES

MCO 250. STATISTICAL ANALYSIS. (Prerequisite: MCO 150). Introduction to descriptive statistics and probability theory applied to typical situations in the field of business administration. Study of techniques for graphic displays, data description, frequency distribution, data position, and dispersion measures. Study of probability concepts from a quantitative and qualitative point of view. Presentation and use of probability distributions. 3 credits. (June)

MCO 251. MANAGEMENT STATISTICS. (Prerequisite: MCO 250). Analysis of statistical inference and applications in business administration. Use of survey techniques as tools in management decision making and to estimate measures, such as arithmetic mean, variance and proportion. Estimation theory, and the hypothesis test with parametric and non-parametric methods are explained. Variables association techniques, correlation and simple and multiple lineal regressions applied to managerial problems. 3 credits. (July)

DEPARTMENT OF NATURAL SCIENCES

BIO - BIOLOGY COURSES

BIO 109. BIOLOGY AND SOCIETY. (For students not majoring in Natural Sciences) The importance of scientific knowledge to the analysis and understanding of new discoveries and their applications to personal and collective life is studied. The principles governing the nature of science in its methodology and reliability of the knowledge produced are discussed. It starts from Biology as science of life, which characterizes this and the risks that threaten the balance of the individual systems and ecosystems. It provides future professionals an extensive, comprehensive, and reliable overview of the importance of supporting their positions with arguments of scientific validity. 3 credits, lecture and laboratory. (June, July).

BIO 111. GENERAL BIOLOGY I. (For Natural Sciences students) Fundamental principles of plant and animal life and their relationship with the environment. Emphasis on the level of molecular and cellular organization and biochemical processes. Respiration, photosynthesis, mitosis, and meiosis. Introduction to classic and molecular genetics. 3 credits, lecture and laboratory. (June).

BIO 112. GENERAL BIOLOGY II. (For Natural Sciences students. Prerequisite: BIO 111) Principles of population genetics and evolution. Classification of plants and animals. Comparative study of the organic systems in animals. Structure and function in plants. Ecology and tropical ecosystems. 3 credits, lecture and laboratory. (July).

BIO 220. FORESTS OF PUERTO RICO. (Prerequisite: BIO 109 or BIO 111). Study of physical and biological characteristics of puertorican forests. Weather, geography, soils, flora and fauna. Natural resources. Recreational, research, recreational and tourism potential. 3 credits. (June). **(Offered in English).**

BIO 250. INTRODUCTION TO SPELEOLOGY. Study of the origin and formation mechanisms of caves, their physical, social, environmental, and biological characteristics. Speleothems, cave-dwelling fauna, and methods and techniques of speleological research. 3 credits. (June). **(Offered in English).**

FIS - PHYSICS COURSES

FIS 203. GENERAL PHYSICS I. (Prerequisite: MAT 201). A calculus approach to the basic concepts of mechanics. Units, dimensional analysis and vectors. Kinematics in one and two dimensions. Dynamics. Circular motion and gravitation. Work and energy. Many particle systems and conservation of linear momentum. Rotational kinematics and dynamics. Torque and angular momentum. Rigid body equilibrium. 4 credits, lecture and laboratory. (June). **(Offered in English and Spanish).**

FIS 204. GENERAL PHYSICS II. (Prerequisite: FIS 203). This course is the second part of General Physics. It is a calculus based course for science majors. This course is supported by WEB 2.0 resources. It covers simple harmonic motion and waves. It also covers basic principles of electricity and magnetism: electric force, electric potential and Gauss' law. Electrical circuits with capacitors with dielectric materials, resistors and inductors, both DC and AC are considered. Magnetic forces and the origin of magnetic fields are also discussed. Ampere's law is applied to find magnetic fields and Faraday's law to calculate induced electromotive forces in circuits with changing magnetic flux. 4 credits, lecture and laboratory. (July). **(Offered in English and Spanish).**

INF-INFORMATICS COURSES

INF 103. FUNDAMENTALS OF INFORMATICS FOR COMMUNICATION. Introduction to computers for Communications. Information use, organization and evaluation, impact of information technology on society, the Internet and Web 2.0, fundamentals (history, components, basic operation), and ethical issues. Use of applications (word processing, electronic spreadsheets and presentations software). The student participates on a field research experience in the community about the social impact of Informatics. 3 credits. (June).

INF 104. FUNDAMENTALS OF INFORMATICS FOR EDUCATION. Introduction to computers for Education. Information use, organization and evaluation, impact of information technology on society, the Internet and Web 2.0, fundamentals (history, components, basic operation), and ethical issues. Principles and fundamentals in the use of computers in education, in

teaching as well as in administrative tasks. Principles of programming and workshops on building educational modules. Emphasis on essential elements for the evaluation and selection of commercial software. The student participates on a field research experience in the community about the social impact of Informatics. 3 credits. (June).

INF 105. FUNDAMENTALS OF INFORMATICS FOR COMMUNICATION. Introduction to computers for Humanities, Social Sciences and Nursing. Information use, organization and evaluation, impact of information technology on society, the Internet and Web 2.0, fundamentals (history, components, basic operation), and ethical issues. Use of applications (word processing, electronic spreadsheets and presentations software). The student participates on a field research experience in the community about the social impact of Informatics. 3 credits. (June).

MAT - MATHEMATICS COURSES

MAT 101. BASIC MATHEMATICS I. This course is focused on the use of simplification and the solution of algebraic expressions and equations. It is a basic course for Natural Sciences or Business Administration students about real number collections and the laws of exponents, basic algebraic operations with polynomial and rational expressions. Expression with radicals. Linear equations and inequalities with an absolute value. The course requires the active and collaborative participation of students in problem-solving and the presentation of results. 3 credits. (June).

MAT 102. BASIC MATHEMATICS II. (Prerequisite: MAT 101) Relations and functions. Linear and quadratic functions. Exponential and logarithmic functions. Linear equation systems. Sequences. Complex numbers. 3 credits. (July).

MAT 133. PRECALCULUS I. (Prerequisite: score over 650 in Math in College Entrance Examination of the College Board or MAT 102) Introduces the concept of function, relations and graphs. Study of polynomial functions, rational functions, exponential and logarithm functions. Study of the properties of functions such as transformations and their applications. Emphasis in problem solving. 3 credits. (June).

MAT 134. PRECALCULUS II. (Prerequisite: MAT 133) Study of functions including systems of equations, sequences and series, trigonometric functions, analytic trigonometry and complex numbers. 3 credits. (July).

MAT 201. CALCULUS I. (Prerequisites: MAT 134) Studies the intuitive concept of limits, the derivative and their applications. Antiderivatives. Definite integral. Areas. Fundamental theorem of calculus. 5 credits. (June).

MAT 202. CALCULUS II. (Prerequisite: MAT 201). Applying integrals, volumes of solids of revolution problems, surface areas, and arc length problems are solved. The different techniques of integration are learned and applied. Indeterminate forms and improper integrals problems are solved. The concepts of sequences and series are introduced and applied as well as vector

functions. Functions of several variables are studied using partial derivatives and multiple integrals. Problems are solved using different mathematical models that apply to different areas of knowledge. 5 credits. (July). **(Offered in English)**.

MAT 210. APPLIED STATISTICS I. (Prerequisite: MAT 100 or score over 500 in CEEB). Descriptive Statistics Course designed to meet the General Education Curriculum. It includes the construction and analysis of frequency distributions and graphic representations of the different types of variables. Data is analyzed using ratios, proportions, percents and rates. Measures of Central Tendency, Dispersion and Position are studied through problem solving, as well as the relationship of Standard Values (Z) with the Normal Curve. The course also includes an introduction to correlation, regression and sampling methodology. Ethical principles in the practice of Statistics are studied. Excel is used for data analysis. 3 credits. (June).

MAT 261. COMPUTERIZED STATISTICS I. (Prerequisite: MAT 134). Elementary statistics course for Natural Science students. Study of frequency distributions and graphs: histograms, pie and line charts, ojives, bar charts and stem and leaf plots. Study of measures of central tendency, variation and position. Introduction to probability and probability distributions: binomial, normal, T distribution and chi square. Estimates and hypothesis testing. Throughout the course Excel is used as a statistical tool for analyzing data. 3 credits. (July).

MAT 301. DIFFERENTIAL EQUATIONS. (Prerequisite: MAT 202). This course introduces the subject of ordinary differential equations (ODEs) at undergraduate level. The interpretation of differential equations as models of physical systems is emphasized throughout the course. Class lectures treat fundamental aspects of the following topics: Solution to First-Order and Higher-Order ODEs, Laplace Transform, Solution to Systems of Linear ODEs, Numerical Methods for ODEs, Fourier series, Plane Autonomous Systems and stability. 3 credits. (June). **(Offered in English)**.

MAT 311. LINEAR ALGEBRA. (Prerequisite: MAT 201). This is a theoretical course where systems of linear equations and the different techniques to solve these are studied. Operations are carried out with matrices and determinants. Vector spaces and linear transformations are studied as well as eigenvectors, eigenvalues and orthogonality. It is aimed at students in mathematics, chemistry and computer science. The material is presented in lectures and problem solving. 3 credits. (June). **(Offered in English)**.

QUI - CHEMISTRY COURSES

QUI 101. GENERAL CHEMISTRY I. Introduction to fundamental laws and principles of modern chemistry. Stoichiometry. Molecular chemistry. Atomic and molecular structure and their relation to the periodic table. The chemical bond. The three states of molecular aggregation. 4 credits, lecture and laboratory. (June).

QUI 102. GENERAL CHEMISTRY II. (Prerequisite: QUI 101). Reactions of aqueous solutions. Oxi-reduction. Acids and weak bases. Slightly soluble solids. Thermodynamics and electrochemistry. 4 credits, lecture and laboratory. (July).

QUI 301. ORGANIC CHEMISTRY I. (Prerequisite: QUI 102). Study of the molecular structure of organic compounds and the factors affecting organic reactions including substitution, elimination and addition reactions. It discusses properties of alkanes, alkenes, alkynes, alcohols, and ethers, including structure, nomenclature, synthesis and specific reactions of these groups. 4 credits, lecture and laboratory. (June).

QUI 302. ORGANIC CHEMISTRY II. (Prerequisite: QUI 301). Study of conjugated systems, resonance, molecular orbitals, aromatics systems, reactions of conjugated systems and aromatic systems, kinetic and thermodynamic reaction control, electrophilic aromatic substitution, nucleophilic addition to carbonyl group and related reactions, properties of carboxylic acids and derivatives, amines, phenols, and polycyclic aromatic hydrocarbons; introduction to carbohydrates, lipids, amino acids and nucleic acids. Spectroscopic techniques including UV-VIS, IR, ¹³C-NMR and MS and molecular structure determination using these techniques. 4 credits, lecture and laboratory. (July).

QUI 403. BIOCHEMISTRY. Fundamental principles of biochemistry and metabolic processes. Study of organic compounds used in cellular metabolic processes emphasizing protein structure, enzymatic activity regulation during metabolic processes and molecular genetics. 4 credits, lecture and laboratory. (June).

FERRÉ RANGEL SCHOOL OF COMMUNICATION

**ADT- 3D ANIMATION FOR VIDEOGAMES, DIGITAL MEDIA
AND VIRTUAL REALITY COURSES**

ADT 201. INTRODUCTION TO 3D MODELING AND ANIMATION. Introduction to 3D Modeling and Animation course seeks to familiarize students with the design and construction techniques of three dimensional meshes. It also explores the capability of the software to script movements of objects in a three-dimensional scene. In addition, the basic processes of texture, lighting, camera use, and rendering will be covered. One goal of this course is to introduce the study of forms via 3D printing, and develop a technical eye for three-dimensional movement. 3 credits. (June)

ADT 210. PRE-PRODUCTION, PRE-VISUALIZATION AND ANIMATION PLANNING. Traditional moving-images preparation techniques such as storyboarding are the basis for planning animated works. In the digital environment, these traditional techniques take on a new life and give way to new processes like animatics and pre-visualization; where a rough animated

draft is put together to test the production, plan camera shots, and preview the flow of the storytelling. As a goal, the course will give the students the opportunity to develop an animated concept using the latest technological advances available. 4 credits. (June, July)

CMU-COMMUNICATION COURSES

CMU 255. COMMUNICATIONS LAW. (Prerequisite: CMU 103) An exposition of laws, rules and legal doctrines that apply to social communications and the media. Also, basic legal principles that apply to commercial and entrepreneurial initiatives particular of the mass communications industry. 3 credits. (June)

CMU 318. COMMUNICATION RESEARCH. (Prerequisite: MAT 100, CMU 101, CMU 103). Introduction methods and techniques used for conducting mass communication research. Emphasis on interviews, surveys, and focus groups. Basic analysis techniques and use of research data. 3 credits. (June, July)

FOT-PHOTOGRAPHY COURSES

FOT 130. PHOTOGRAPHY IN COMMUNICATION. Basic photographic theory and practice. Emphasizing on its application as a communication medium in the fields of visual arts, journalism, advertising, public relations, digital film and TV production. This course focuses on the visual language, right management and appreciation. Students will also analyze and criticize photographic work. 3 credits. (June)

PER-JOURNALISM

PER 229. FUNDAMENTALS OF JOURNALISM. (Prerequisite: CMU 101) Historical background and methods of print and broadcasting journalism. Role of the press in different places and times. Present condition of the information industry. Introduction to the structure of the news. 3 credits (June)

PUB-ADVERTISING COURSE

PUB 218. INTRODUCTION TO ADVERTISING. (Prerequisite: CMU 101, GME 201) Basic elements of advertising communication. Social and economic aspects of advertising. How advertising agencies are organized, functions and how they work with clients. Advertising as a marketing tool. The role of psychology and sociology in the advertising environment. Traditional, nontraditional media and the “internet”, in planning and selection process of the mass media. 3 credits. (June)

RPU-PUBLIC RELATIONS COURSE

RPU 225. FUNDAMENTALS OF PUBLIC RELATIONS. Introduction to the theory and practice of modern public relations. Emphasis on the role of the public relations specialist/practitioner as a communicator and strategist through the investigation process as consultant or as associate at a managerial level. Study of public relations, its history, codes of ethics and communication tools for different publics. Emphasis on the student's active participation student in projects developed for organizations with local communities through the modality of learning through service. 3 credits. (June)

DEPARTMENT OF EDUCATION

CFI-PHYSICAL FITNESS COURSE

CFI 105. WELLNESS, QUALITY OF LIFE AND INTEGRAL HEALTH. Discussion of the concepts wellness, quality of life and integral health. Analysis of the factors that affect negatively the well-being and quality of life of the people. Discussion of the available tools for the maintaining of an optimal quality of life. Includes discussion and analysis of the comprehensive health dimensions: physical, nutritional and social. Importance of emotional health as a basis to develop and maintain a better quality of life, includes practical activities in the gym, fields an open spaces in the University campus to contribute to the modification of behavior to adopt physical activity and exercise for life. 3 credits. (June) **(Offered in English).**

EDU-EDUCATION COURSE

EDU 201. FUNDAMENTAL OF EDUCATION. Study of the concepts and purposes of education. Historical Development of Education since the inception of the culture to the current system. Puerto Rican educational path. Emphasis on the sociological and philosophical foundations of education and its greatest exponents. Emphasis is placed on the philosophical currents and their influence on the vision of the teacher and school. Influence of social groups in the educational process. Discussion and analysis of the concept education policy and the issues affecting its development. 3 credits. (June)

EDU306. NATURE AND NEEDS OF THE EXCEPTIONAL STUDENT. A general review of the various exceptionalities. Learning and behavior characteristics of each condition. Assessment, evaluation and diagnostic intervention from the clinical and psychoeducational perspective. Prevention, early intervention and transitional services. Collaborative approach

between family, school and community. Instructional programming, methodology, educational options and assistive technology. Federal and State Laws and services to this population from public and private agencies. Students must participate in school and community service learning activities. 4 credits (June)

EDU 327. CURRICULUM, METHODS AND MATERIALS FOR CHILDREN WITH SOCIAL – EMOTIONAL BEHAVIORAL DISORDERS. Analysis of social psychological, environmental, neural and genetics factors that influences the child’s behavior. Prevention and promotion of emotional health. Curriculum, methods and materials for students who have different etiologies. Writing daily lessons objectives and individualized education plan. Educational services offered in P.R. 3 credits. (July)

EDU 329. CURRICULUM, METHODS AND MATERIALS FOR CHILDREN WITH MENTAL RETARDATION. Analysis and discussion of the biomedical, sociocultural and psychological factors that cause mental retardation that are educable, trainable and need continuous care. Instructional design methods and materials for diagnosis and psychoeducational remediation. Role of family and community agencies in support of people with intellectual disabilities. 3 credits. (July)

INTERDISCIPLINARY FACULTY OF HUMANISTIC AND SOCIAL STUDIES

ART-ART COURSES

ART 102. ART APPRECIATION. General overview of visual arts, their elements, techniques and artistic manifestations in daily life. Analysis of universal and Puerto Rican works of art. Includes visual examples and trips to museums. The course requires participation by students in activities linked to the outside community, demonstrating the relevance of this course in the general education component; extracurricular activities outside of the university campus are required. Emphasis on student participation in individual and group activities. 3 hours a week, 1 semester, 3 credits. (June, July)

ESP - SPANISH COURSES

ESP 106. WRITING AND READING. Workshop designed to help students refine written communication skills. Writing and reading expository and argumentative essays. Ethical values are presented in the discussions of the reading and essays. 3 credits (June, July)

ESP 121. LITERARY GENRES I: POETRY, THEATER, AND ESSAY. (Prerequisite: ESP 106) Study of poems, theatrical works, and essays. Explanation of the theoretical and technical aspects that is basic in understanding texts. Application of the techniques and knowledge acquired to the analysis of poetry, theater works and essays. Ethical values are presented in the discussions of the reading and essays. 3 credits. (June, July)

ESP 122. LITERARY GENRES II. (Prerequisite: ESP 106) Study of short stories and novels. Explanation of the theoretical and technical aspects that is basic to understanding texts. Application of techniques and knowledge acquired to the analysis of short stories and novels. Ethical values are presented in the discussions of the reading and essays. 3 credits (July)

ESP 124. FILM AND LITERATURE. (Prerequisite: ESP 106) The course examines various literary texts that have been filmed and their adaptation to the cinematographic media. Emphasis on the semiotic transformation of the word to image. Ethical values are presented in the discussions of the reading and essays. 3 credits (June)

ESP 191. SPANISH AS A SECOND LANGUAGE I. Theoretical practical study of the basic grammar structures essential to learn Spanish as a second language. The course provides students with the opportunity to learn the Spanish language through the study of grammatical structures and basic vocabulary. Topics from Hispanic Caribbean and Hispanic American culture. First Level. Laboratory. 3 credits (June)

ESP 193. SPANISH AS A SECOND LANGUAGE II. (Prerequisite: ESP 191) Theoretical practice study of the basic grammar structures essential to learn Spanish as a second language. The course provides the students with the opportunity to learn the Spanish language through the study of grammar structures and basic vocabulary. Topics from Hispanic Caribbean and Hispanic American culture. Second Level. 3 credits (July).

ESP 225. ORAL COMMUNICATION. Nature and basic principles of oral communication in Spanish. Emphasis on group discussions, dialogues, panels, interviews, speeches, oral reports, lectures. Development of skills to influence by way of logical arguments. Oral communication practice. 3 credits (June, July)

ESP 227. ADVANCED COMPOSITION. This is a writing workshop designed to introduce students to research skills and writing informal, formal, or monographic essays reflecting their research, according to what is required by the topics discussed. Ethical values are presented in the discussions and written essays. The course requires active participation by students in activities outside of the University campus, since research involves observation of reality through association with community projects and organizations. Ethical values are discussed. 3 credits (June)

ESP 293. SPANISH AS A NEW LANGUAGE. ADVANCED LEVEL II. This course aims to develop self-learning students. By using the basic communication tools that the student already has, the course improves both oral and written communication skills, directed at students achieving the competencies of a native speaker. Based on research that shows that language is processed in blocks or groups of words, not just word by word, this level allows students to

develop their learning based on a notional and functional approach based on the articulation of communicative intentions and the concepts the speaker is referring to. 3 credits. (June)

FIL-PHILOSOPHY COURSES

FIL 101. LOGIC. Definition of the principal concepts of logic and description of its evolution in the history of philosophy. Application of its methodology to the analysis of different types of reasoning as constructed in the natural language. Identification and diagram of complex arguments. Language functions, discourse, and possible relations between the symbolization process, language theories, conceptualization and relationships with reality. Application of the theoretical aspects of logic to the analysis of reasoning and argumentative sequences of discursive resources that describe the social environment of students, their foundations and justifications, there by demonstrating the importance of e logical analytical methods. This course is required in the general education component. 3 credits. (June, July)

FIL 106. ETHICS. Introduction to the history and the analysis of the basic problems and concepts of philosophical morality and its ethical rational justification, ranging from its origins in traditional Greek culture to the present time. Analysis of the possible relations between Ethics and other disciplines that intend to describe, govern, and evaluate human behavior. Importance and relationship between basic doctrines of ethics and daily life. Variations in the methodology and content of ethical and moral analysis in terms of the history of cultures and considerations of gender. 3 credits. (June, July)

HIS-HISTORY COURSE

HIS 212. DEVELOPMENT OF THE PUERTO RICAN NATION. Broad view of the historical process of Puerto Rico with special emphasis on the political, economic and social aspects of the 19th, 20th and early 21st centuries. Analysis of topics such as the genesis of nationality, the laws that formed the Puerto Rican government, Puerto Rican ideologies and political parties, the future of a society that has not achieved a consensus with regard to a political definition. 3 credits. (June, July) **In June, this course will be available in Spanish and English.**

HUM-HUMANITIES COURSE

HUM 111. HUMAN BEINGS AND HUMAN CIRCUMSTANCES. An interdisciplinary course that studies the important subjects of universal value for human beings. Among them are: identity, power, and intellectual and social currents since the Enlightenment. The subjects are presented as issues so that our graduates will be better equipped to face the complex world in which we live. Each class creates awareness among students with regard to valuing and understanding oneself and others, as well as respecting the environment. Discussion of ethics and

assigned reading. The course requires the active participation by students in extracurricular activities outside the University campus; research will include observing reality through the association of projects and organizations within the community. 3 credits. (June, July)

ING-ENGLISH COURSES

ING 113. READING FOR COMMUNICATION. (Prerequisite: ING 112) This course combines intensive reading with oral and written communication skills. Students read articles, stories, essays, poems, and novels, and react to the readings through a variety of oral activities and written homework. Ethics is also discussed in presentations, thematic content, and assigned readings. Students are required to participate in a community service project. Since this activity is not carried out on the University campus, or during class hours, each student must make the necessary arrangements. This activity provides students with an integrated learning experience. 3 credits. (June, July)

ING 114. ESSAY WRITING. (Prerequisite, ING 113) Emphasis on writing skills. Practice in the use of the Library's resources and bibliographical preparation. Discussion of ethical values in reading and written exercises. 3 credits. (June, July)

ING 117. ORAL COMMUNICATION. (Prerequisite, ING 113 and 114) Focuses on practical communication. Public speaking, debates, panels. Oral communication exercises. Ethical values are presented in discussions of oral presentations and in readings given in the course. 3 credits. (June)

ING 122. LITERARY GENRES II. (Prerequisite: ING 114) Story and novel techniques. Critical analysis of significant works. Ethical values are presented in discussions of readings and in essays that are written in the course. 3 credits. (July)

ING 124. FILM AND/AS LITERATURE. Exploring the relationship between film and literature centering on their technical and thematic links. Understanding the interrelation of these two art forms, students will develop a deeper sense of film and literary analysis. Screenings, reading, two exams and one research paper will be required. 3 credits. (June)

ING 204. WRITING REPORTS AND MEMOS. (Prerequisite: ING 114) Development of communication skills. Emphasis on the functional use of language. Psychological principals of oral messages: telephone interviews, instruction and others. Writing memoranda, telecommunication messages, transmittal letters, orders, applications, references, return receipt and more. 3 credits (July)

TEO-THEOLOGY COURSES

TEO 208. MAJOR WORLD RELIGIONS. Study of human beings and the answers to these concerns provided by the major religions of the world. Rediscovery of the figure of Jesus of Nazareth and the Church He founded. 3 credits. (June, July)

TEO 214. JESUS OF NAZARETH AND HIS MESSAGE. Life, principles, thought and the message of Jesus in the Gospel. The class requires the active participation by the students in the community, demonstrating the relevance of this course in the general education component. These activities occur outside of the course and the facilities of the university, so that students should allocate necessary time. Also, emphasized student participation in individual and group works. Besides, fostering Ethical values such as honesty, social commitment, justice, and equality are fostered in presentations and discussions of the thematic content. 3 credits. (July)

TEO 233. THEOLOGY OF HUMAN SEXUALITY. Study of human sexual development according to contemporary moral theology. Examination of the Biblical basis, and anthropological, scientific and theological principles related to human sexuality and the different ways of expressing love in the relationship of a couple. Establishes the importance of sex education as a right of all individuals, the development of a moral conscience moral, and the encouragement of responsible sexual conduct. Contemporary perspectives on the inherent issues of sexuality are present in the light of the teachings of the Catholic Church. 3 credits. (June, July)

TMU-MUSIC COURSE

TMU 101. VOCAL TECHNIQUE. Introductory course in the art of singing, emphasizing on the development of the voice a vocal instrument and the repertoire that should enable the prospect artist to enter the Music Theatre auditions realm. 3 credits. (June)

TMU 201. VOCAL TECHNIQUE II. Advance Vocal Technique Course, emphasizing on aspects of: breathing, voice resonators, vocal literature and repertoire. 3 credits. (June)

CPO - POLITICAL SCIENCE COURSE

CPO 204. GOVERNMENT OF PUERTO RICO. (Prerequisite: CSO 104) Studies the existing governmental structure of Puerto Rico and its most important political institutions. Emphasizes the process that led to forming a government. 3 credits. (July)

CSO- SOCIAL SCIENCE COURSES

CSO 104. CONTEMPORARY SOCIAL ANALYSIS. Critical discussion of main debates in social science. Analysis of the social, cultural, political, economic and environmental great transformations of contemporary world. The dynamic role of the individual in the circumstances of change. Through dialogue and the discussion of divergent positions, students are provided with tools for an in depth social analysis. Students develop activities related to the outside community that will demonstrate the relevance of this course in the general education component. 3 credits. (June)

CSO 203. STATISTICS FOR CONTEMPORARY SOCIAL SCIENCES. (Prerequisites: CSO 104, MAT 100). A core course for students in the Social Sciences Department. Statistical techniques that enable a numeric approach to social phenomena are considered. Graphs, construction of scales, central trends, dispersion and the theory of probability are tools that, among others may shed light on the needs of individuals, groups, communities, programs and services, demographic conditions, contemporary structural patterns, social, economic and political trends. 3 credits. (June)

CSO 204. SOCIAL RESEARCH TECHNIQUES. (Prerequisite: CSO 203). Nature and use of social research techniques. Selection and subjects, formulation of problems and hypotheses, methodologies, data gathering, and analysis of findings. Use of computerized techniques in the development of a social research program in the community. Emphasizes active participation of students in a research project on organizations of the external community using the community outreach modality. 3 credits. (July)

GEO – GEOGRAPHY COURSE

GEO 102. CULTURAL GEOGRAPHY. Discussion of topics of cultural geography from a Social Sciences perspective. Emphasis on the distribution of human collectives, their cultural, social, political and economic background, as well as their effects on the environment. Analysis of the importance of cultural geography components in the understanding of the contemporary world. 3 credits. (July)

PSI - PSYCHOLOGY COURSES

PSI 200. PSYCHOLOGY OF PERSONAL GROWTH. (Prerequisite: CSO 104). Analysis and discussion of basic concepts in the psychological study of human conduct and the related intersubjective configuration as well as different theoretical perspectives within psychology. Discussion of adjustment to daily life situations that significantly affect psychosocial behavior. Emphasis is given to alternatives that foster personal growth. Topics that are addressed include identity, interpersonal communication, human relationships, motivation, resilience, academic

stress, identification and management of emotions, emerging adulthood, decision-making, and cultural influences in human beings. 3 credits. (June)

PSI 201. GENERAL PSYCHOLOGY I. Approach to the fundamental topics of psychology as a scientific discipline leading to an explanation of the constitution of the psychological object. An emphasis on the discussion of the historical context serving as a basis for the development of the discipline. Furthermore, the psychobiological basis of human beings, the life cycle, human development, motivation, emotions, and the learning process are discussed. The course constitutes the first required course for students majoring in Psychology. 3 credits. (June)

PSI 202. GENERAL PSYCHOLOGY II. (Prerequisite: PSI 201). Continuation of the discussion of fundamental topics of Psychology as a scientific discipline leading to the explanation of the constitution of the psychological object. Emphasis on the discussion of the historic context that serves as a basis for the development of the discipline. The following theories are studied: personality, psychopathology, and psychotherapy, the individual differences and psychological measurement; human beings from a social relations perspective are studied. 3 credits. (July)

PSI 203. DEVELOPMENTAL PSYCHOLOGY I. Study of human development from conception to mid-childhood (the life cycle perspective). Study of principles, variables and debates, as well as diverse theoretical models. The characteristics of each stage are discussed and analyzed. An integral perspective that includes physical, psychological and cognitive aspects is followed, taking into account Puerto Rican reality. The course is for Psychology, Social Work, Nursing, and Education students., 3 credits. (June)

PSI 204. DEVELOPMENTAL PSYCHOLOGY II. (Prerequisite: PSI 203). Continuation of the study of human development from adolescence to death from the life cycle perspective. Study of the principles, variables, and diverse theoretical models. The characteristics of each stage are discussed and analyzed. An integral perspective, including physical, psychological and cognitive aspects, is followed, taking into account the Puerto Rican reality. The course was created for Psychology, Social Work, Nursing, and Education students. 3 credits. (July)

PSI 205. SOCIAL PSYCHOLOGY. (Prerequisites: PSI 201 or PSI 200). Study of human beings from the perspective of social relationships. Emphasis on the discussion of the historic trajectory of the discipline in the light of production model transformations, as well as dominant debates in the field. Special attention on the social psychologist's role as an emancipating and social transformation agent. 3 credits. (June)

PSI 303. PERSONALITY THEORIES. (Prerequisites: PSI 201-202). Panoramic study and comparative analysis of the main theoretical concepts related to the configuration of the human personality. Discussion of the concepts and the evidence on which each theory relies. This analysis allows the students to realize that there are different theoretical interpretations of the construction of personality. Students will be able to develop a holistic vision about behavior in general by critically analyzing t existing personality theories. 3 credits. (June)

SJU - JUSTICE SYSTEM COURSE

SJU 102. CIVIL RIGHTS IN CONTEMPORARY SOCIETY. Study of the origins and evolution of civil rights. Analysis of their importance in the development of the fundamental qualities of human beings in the contemporary political society. Current status of civil rights in Puerto Rico in light of court decisions and legislation. 3 credits (June)

SOC - SOCIOLOGY COURSES

SOC/TSO 209. SOCIAL PROBLEMS. (Prerequisites: CSO 104, TSO 210, HIS 212) (TSO 210 will be a prerequisite for Social Work students). Analysis of social problems from an interdisciplinary perspective. Difficulties in defining and conceptualizing social issues, the relationship between the categorization of the concept of social problems and underlying ethical, economic, social, and political dilemmas in contemporary social reality, especially in Puerto Rico. Puerto Rican society is highly fragmented, where all members of the different sectors are affected. The course seeks to make students reflect, analyze, discuss, and think about social questions, from a holistic, critical, and interdisciplinary perspective. To understand Puerto Rican reality it is necessary to think about the discourse that legitimizes knowledge in our society. An examination of the tasks of analysis and writing of the practices that have become consolidated in a common territory with regard to the subject of discourse in the context of dominant culture. The starting point of the analysis is the conceptualization of what is called “quality of life” and what is considered the “common good.” Attitudes to strengthen social ties are fostered while problematizing the possible conflicts of the subject in contemporary Puerto Rico. 3 credits. (June)

SOC 217. SOCIOLOGY OF THE FAMILY. Study of the various domestic arrangements and their relationship to the socioeconomic structure from a sociological and historical perspective. Includes a discussion of the feminist critique of traditional sociological views on the family. 3 credits. (July)

SOC/TSO 414. GROUP DYNAMICS. (Prerequisite: CSO 104, TSO 210, TSO 305 (TSO 210 and TSO 210 are prerequisites for students with a Social Work concentration) An introductory course directed at enabling students to understand and facilitate small groups. The course focuses on a critical study of the theories and methodologies related to small group dynamics and processes. Students are exposed to an analysis of the evolution and functions of small groups in contemporary life. The ethics of working with small groups is discussed as well as the commitment to human diversity. Theoretical and practical integration is achieved through a volunteer service modality. The course is for Social Work students and students from related disciplines. 3 hours a week, 1 semester, 3 credits. (July)

**For more information contact:
ADMISSIONS OFFICE**

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*Universidad del Sagrado Corazón reserves the right to make changes
in the schedule of courses to be offered during the 2017 Summer Session*