

SIM - University at Buffalo, The State University of New York, U.S

Module Descriptions

AHI 102 Survey of Art History: Italian Renaissance to Present (3 credits)

Chronological survey of painting, architecture, and sculpture from the Italian Renaissance to modern European and American art; stylistic analysis of works of art within social and historical contexts.

COM 101 Principles of Communication (3 credits)

Introduces the study of communication in interpersonal, small-group, organizational, mass, and intercultural contexts; covers basic communication models, theory, and research methods used in communication.

COM 125 Introduction to the Internet (3 credits)

Prerequisite: COM 101

Provides a comprehensive, non-technical, hands-on overview of computer mediated communication on the information superhighway, focusing on the Internet. Teaches the origins, growth and evolution of the Internet, and provides a thorough introduction to the constituent services of the Internet.

COM 205 Research Methods (3 credits)

Introduces the scientific methods used by communication scholars to examine interpersonal, small group, organizational, international/ intercultural, telecommunications, and mass communication processes. Introduces students to content analysis, network analysis, social surveys, and experiments, as well as the logic and procedures of scientific inquiry and the use of the library for research.

COM 217 Communication in Organizations (3 credits)

Provides a practical introduction to principles of organizational communication, including basic theories, methods, and applications of organizational communication.

COM 225 Interpersonal Communication (3 credits)

Conducts an in-depth analysis of psychological and sociological processes involved in interpersonal communication.

COM 240 Survey of Mass Communication (3 credits)

Considers formal organization, functions, and development of mass media; communication as a social process; audience characteristics; structured networks; and communication in bureaucracies.

COM 300 Written Communication (3 credits)

Covers the theory and practice of written communication; and emphasizes basic writing skills, the relationship between clear writing and clear thinking, and the process of effective writing.

COM 337 Communication Theory (3 credits)

Introduces the process of communication, including factors affecting communication and its results, and their relationship to the communicative process.

CSE 111 Great Ideas in Computer Science (4 credits)

Studies algorithmic problem-solving techniques and gain an appreciation for some of the most interesting and significant results of computer science, as well as its intellectual and social significance.

ECO 181 Introduction to Macroeconomics (4 credits)

Covers principles of employment, inflation, business cycles, and growth; also considers policies for economic stabilization and full employment.

ECO 182 Introduction to Microeconomics (4 credits)

Covers principles of price determination, creation of value, distribution of income, competition, and principles of international trade.

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ECO 405 Microeconomic Theory (3 credits)

Prerequisites: MTH 121 or MTH 131, MTH 122

Examines economic theory dealing with the economics of price determination, value, distribution, and competition.

ECO 407 Macroeconomic Theory (3 credits)

Prerequisites: MTH 121 or MTH 131, MTH 122

Uses economic theory to explain the causes of inflation, business fluctuations, unemployment, and economic growth.

ECO 480 Econometrics I (4 credits)

Prerequisites: MTH 121 or MTH 131

Covers measures of central tendency and spread in economic data, probability, binomial and normal distributions, estimation, confidence intervals, testing of hypotheses, and analysis of variance. Also introduces and applies simple two-variable regression to real-world data using computer software.

ESL 407 Written English I (3 credits)

Introduction to academic writing. Covers various methods of organizing paragraphs and essays, effective use of grammatical structures, editing and revising, and strategies for efficient reading.

ESL 408 Written English II (3 credits)

Prerequisite: ESL 407

Continues the development of academic writing. Covers rhetorical patterns in formal writing, critical reading, paraphrasing, citation, and the completion of a library research paper.

GEO 100 World Regions & Issues (3 credits)

Examines the geography of the emerging global village, especially the stress between the increasing globalization of human societies and natural habitats, and their idiosyncratic traits. Deeply rooted in today's changing world, surveys regions of the world and the contemporary issues facing them.

GEO 103 Global Economic Geographies (3 credits)

Examines the diverse economic systems that characterize a world economy in rapid transition. Highlights the complex processes of globalization and its impact on regions, cities, and countries. Examines the organization of economic activities and resources in the global economy.

GEO 120 Maps: Earth from Above (3 credits)

Provides the knowledge required to be an intelligent map user. It is also designed to prepare students for further studies in geography, cartography, and geospatial technologies. Topics include map making and coordinate systems, issues regarding map scale and projections, navigation and way finding using maps, techniques of thematic mapping, introductions to remote sensing and geographic information systems, emerging mapping technologies and applications, and using internet mapping services.

GEO 211 Univariate Statistics in Geography (4 credits)

Introduces probability as a measure of uncertainty. Addresses the use of such measures of uncertainty for describing data, and for making inferences about large populations from small samples. These descriptive and inferential aspects of statistics are illustrated using geographic examples from a wide variety of different fields.

GEO 330 Dynamics of International Business (3 credits)

Examines the rapidly changing dynamics of the international business environment and its impact on corporate strategies and patterns of international trade, investment and development.

GEO 333 International Trade (3 credits)

Involves a theoretical and empirical study of the spatial aspects of commodity flows among countries and regions; also examines conditions leading to trade, and to barriers to the movement of goods.

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GEO 334 International Business Cultures (3 credits)

Introduces students to the interconnections among culture, social expectations, and international business. Covers cross-cultural communication and negotiation, cross-cultural management and alliance formation, and corporate social and environmental responsibility.

GEO 425 Industrial/Business Geography (3 credits)

Prerequisites: GEO 330

Industry dynamics and regional change in a globalized world. In understanding the relationship between the firm and the region, the activities of other agents of regional development (e.g. universities, government, non-government sectors, labor markets) will also be taken into consideration.

GEO 460 Geography of Development (3 credits)

Prerequisites: GEO 103 or GEO 330 or GEO 333

Examines how regions, cities, and countries are engaged in economic, political, and institutional strategies in order to tackle problems related to poverty, underdevelopment, economic decline, and/or economic stagnation. Attention is given to the influences of local and global forces, actors, and policies on regional and national competition and development.

GEO 419: Transportation and Society (3 credits)

Prerequisites: GEO 410, GEO 102 or GEO 103

Studies evolution of the U.S. transportation system. Examines contemporary transportation problems; including provision of transportation, transport networks, transport flows, urban transportation, logistics, and information technologies. Also considers transport and urban forms.

HIS 141 Human Origins of Global Society (3 credits)

Human origins mark the start of human history, when the “world” was bounded by oceanic separations. It begins with the ancient past and consider how global connections are forged, ending roughly 1500. Among other topics, it considers: how humans meet the challenges of their environment, migrate, develop new social and political systems, secure necessities and acquire luxuries, create religions and intellectual ideas, produce art, music, and architecture, and make war and peace.

HIS 142 Civilizations and Beliefs (3 credits)

Examines major civilizations in world history since roughly 1300, with particular attention to the foundational ideas and beliefs that have both inspired and challenged them. Human civilizations have been continuously evolving, adapting, expanding, fragmenting, and interacting with one another for thousands of years. Understanding the history of civilizations requires attention not only to materials and technological changes over time, but also to the belief systems, ideologies, and structures of power that have defined civilizations and shaped our lived environments. Has the rising intensity of global interaction over the past several centuries led us on a path of convergence toward a single civilizations? Or does the past demonstrate that despite high levels of contact and exchange, human civilizations remain as varied as ever?

JPN 102 1st Year-2nd Semester Japanese (5 credits)

Develops basic language skills in speaking, reading, writing, and listening. This is team-taught, and it is not open to native speakers.

LIN 342 Intro Cognitive Science (3 credits)

An interdisciplinary approach to the understanding of knowledge and mind, guided by principles of formal systems and computation. Concepts and approaches from psychology, philosophy, artificial intelligence, linguistics, and neuroscience.

MGA 201 Introduction to Financial Accounting (3 credits)

Presents the underlying framework and concepts of financial accounting systems essential to the preparation, understanding, and interpretation of accounting information in the contemporary business environment. Topics examined include those related to recording business transactions, reporting corporate financial position, operating results, and cash flows, and analyzing financial strength. The impact on financial markets and society due to limitations of financial statements and lapses in ethical reporting are also covered.

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MGA 202 Introduction to Management Accounting (3 credits)

Prerequisite: MGA 201

Introduces concepts and theories in management accounting. Topics include product costing methods (e.g., job-order costing, process costing, and activity-based costing); the use of accounting information for management decisions (e.g., cost-volume-profit analysis and variance analysis); operating budgeting and performance evaluation; and capital budgeting decisions.

MGA 306 Financial Reporting and Analysis (3 credits)

Prerequisites: MGA 201 – 202

An intermediate module in financial accounting for non-accounting majors. Topics include (1) the format and content of financial statements prepared under generally accepted accounting principles, (2) problems in disclosure and income measurement, and (3) analysis of financial statements from the users perspective.

MGB 301 Organizational Behavior and Administration (3 credits)

Prerequisite: PSY 101

Explores the systematic interrelation of economic, technological, psychological, and sociological variables useful in observing, predicting, and influencing organizational behavior.

MGE 302 Applied Economics (3 credits)

Prerequisites: ECO 181 – 182, MGQ 201, mathematics requirement, business major

Considers the methods, concepts, and techniques employed in applying economic constructs and principles to managerial decision making in private and public enterprises. Topics include market demand analysis, firms' production decisions, and pricing practices.

MGF 301 Corporation Finance (3 credits)

Prerequisites: MGA 201 – 202, completion of or concurrent registration in MGQ 301, business major

Introduces the scope and objectives of financial management, along with the concept of the risk-return trade-off. Also considers financial planning with special emphasis on evaluating capital projects and managing working capital, methods employed to obtain funds, costs associated with each alternative.

MGF 402 Investment Management (3 credits)

Prerequisites: MGF 301, business major

Discusses techniques of analyzing various companies and industries, as well as recent research on security markets, portfolio theory, and the measurements of investment performance.

MGF 403 International Financial Management (3 credits)

Prerequisites: MGF 301, business major

Provides the conceptual framework necessary for financial decision making in an international context. Focuses on implementing analytical tools and theory through problems and analysis of real-world global decision making. From this global perspective, explores the following traditional areas of corporate finance: investments, capital budgeting, cost of capital and financial structure, evaluation and control of operations and risk management. Within these areas, we concentrate on those decision variables that purely domestic firms tend to overlook, such as fluctuating exchange rates, differing rates of inflation between countries, differing tax systems, exchange controls, segmented capital markets, and such political risks as nationalization and expropriation.

MGF 405 Advanced Corporate Finance (3 credits)

Prerequisites: MGF 301, MGQ 301, business major

Discusses the theory and practice of financial decision making under uncertainty. In particular, considers in depth the problems of working capital management, capital budgeting, cost of capital, dividend policy, and merger analysis.

MGG 150 Business and Society (3 credits)

Comprehensively provides a broad understanding of business, including various functions and their interrelationships; terminology; management fundamentals and competitive factors; legal and ethical issues; and consideration of various external elements, including society at large.

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MGG 300 Career Strategies, Planning, and Management (2 credits)

Introduces a strategic approach to career planning and job search. Topics/activities cover the job market, job-search resources, developing a personal marketing strategy, researching potential employers, networking, interviewing, and writing skills.

MGI 301 Human Resources Management and Labor Relations for Managers (3 credits)

Introduces the management of human resources (HR) at the level of the firm. Focuses on the systems and practices required to implement such HR functions as selection, development, compensation, and performance appraisal. Evaluates these HR decisions with a framework that considers the influence of legal and market environments, as well as union and nonunion settings. The assignments emphasize managerial applications.

MGM 301 Principles of Marketing (3 credits)

Prerequisites: ECO 182, PSY 101

Examines the distribution of goods by marketing agencies. Considers the nature and scope of marketing problems, behavior of industrial buyers and consumers, channels of distribution, pricing, selling, marketing costs, efficiency, and governmental regulations.

MGM 402 Selling and Sales Force Management (3 credits)

Prerequisites: MGM 301, business major

Explores roles of the sales force and sales management team in a firm's marketing strategy. Studies selling techniques, territory management, sales force selection, sales training for improved performance, compensation schemes, and performance evaluation. Case analysis and discussion deal with problems from the perspectives of the sales representative, the sales manager, and top management.

MGM 403 Marketing Research (3 credits)

Prerequisites: MGM 301, business major

Investigates marketing research as a tool of market management. Analyzes the role of research in planning and controlling market activities and the techniques of marketing research, and illustrates the application to marketing problems.

MGM 404 Consumer Behavior (3 credits)

Prerequisites: MGM 301, business major

Discusses pertinent theoretical and empirical findings about the behavior of consumers and industrial and institutional buyers.

MGM 406 Product and Brand Management (3 credits)

Prerequisites: MGM 301, business major

Discusses new product development, brand and pricing strategies for existing products, and the design of promotional campaigns. Gives particular emphasis to the new product development process and the design of advertising strategy.

MGM 409 Advertising and Promotion (3 credits)

Prerequisites: MGM 301, business major

Promotional strategy, one of the four P's of marketing, is critical to the survival and success of organizations because promotion forms the point of contact between the organization and its many stakeholders, especially its customers. While promotion is typically associated with advertising, today's marketers have many more options in fashioning their promotional strategies. Understanding the various promotional choices including advertising, sales promotions, direct marketing, personal selling, and public relations and how these strategies need to work in tandem to achieve the greatest impact are among the objectives of this module.

MGO 302 Production and Operations Management (3 credits)

Prerequisites: MGQ 201, business major

Introduces the process, tools, and techniques of production and operations management. Develops sufficient skills in the use of financial, quantitative, statistical, and computer-based tools and techniques as they apply to operations management and control problems in business, industrial, service, and governmental settings.

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MGO 303 Supply Chain and Logistics Management (3 credits)

Prerequisite: MGQ201

Deals with design and management of supply chains and logistics for competing effectively in global markets. The management of specific functions within supply chains such as manufacturing, procurement, logistics and inter-organizational information and coordination are covered. The topics covered include qualitative & quantitative techniques for optimum configuration of supply chain and logistics, principles of postponement in design, processes and logistics, mass customization, global location factors for offices, plants and distribution centers, collaboration and coordination among various players in supply networks, vendor managed inventory (VMI), strategic alliances & partnering, purchasing and buyer-supplier relationships. Given the increasing importance of logistics and retail sectors in employment generation, logistics management topics such as warehousing, transportation and third party logistics service providers are also covered.

MGO 304 Service Operations & Extreme Events Management (3 credits)

Prerequisite: MGQ 201

Imparts an understanding of service operations management. The service sector is the largest sector in terms of contributions to GDP as well as employment. This covers unique aspects of service operations and complexities involved in a wide range of service organizations such as health care, management of quick-response services (such as fast food restaurants), education, retail, government, and non-profit organizations. The planning and control mechanisms for a variety of service situations, and ways and means to lower the costs, improve the efficiency and customer service organizations will be analyzed through many quantitative models such as queuing theory, design of service delivery systems and qualitative methods. In addition, given the growing turbulence in social and economic spheres in recent years, additional emphasis is placed on service business processes involved in emergency management systems, extreme events and rapid execution of service logistics processes. These include the four sectors of: 1) management of organizations such as fire, health care, police protection; 2) disaster management techniques (hurricanes, earthquakes, and other natural events), 3) emergency response to unanticipated shortages of critical materials such as blood, vaccines; and 4) handling and transportation of toxic materials, etc.

MGO 330 Entrepreneurship and Small Business (3 credits)

What's your big idea? Dreaming about starting a company, but not sure where to start? Whether your interest lies in solving the world's biggest problems, creating the next commercial success or starting a non-profit venture, this module will give you the tools to test your ideas in the real world. Learn about the key ingredients that drive success in entrepreneurial ventures. Learn what makes entrepreneurs entrepreneurial, and how they bring new ideas to market. You will gain valuable insights into how entrepreneurs start and grow companies. We will explore how to identify customers for your new venture, how to build a business model around those customers, and how to obtain financing to support your efforts. Through engaging lectures and hands-on projects, you will discover tools practiced by successful entrepreneurs. By the end, you will have an understanding of the entrepreneurial mindset and what it takes to thrive in your own venture.

MGO 403 Fundamentals of Strategic Management (3 credits)

Prerequisites: MGB 301, MGS 351, MGF 301, MGM 301, MGO 302, and MGE 302; or prior completion of at least three of the six, and concurrent registration in the other three, business major

Deals w/ organization, mgmt. & strategic positioning of the firm for gaining long-term competitive advantage. In this capstone module, you will develop skills to: understand how firms gain & sustain competitive advantage; analyze strategic bus. situations & formulate strategies; select the best strategy for a company; provide quantitative support for recommendations; implement the strategy & organize the firm for strategic success. Introduces and employs various analytical frameworks that help identify the sources of competitive advantage at the industry- & firm-levels. By focusing on what makes some competitive strategies strong & viable, and others weak & vulnerable, we shall develop the ability to consider the impact of change & other important environmental forces on the opportunities for establishing & sustaining competitive advantage. Only students who have fulfilled the prerequisites may enroll.

MGO 450 Business Forecasting (3 credits)

Prerequisite: MGQ 301 and MGE 302

Examines forecasting for business purposes in the fact of uncertainty. Designed to familiarize students with various forecasting techniques and their practical applications in business, including projections of retail sales,

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real estate loans, tool shipments, costs, revenues, stock prices, inflation rates, and other micro and macro level variables. Numerous case studies were used.

MGQ 201 Introduction to Statistics for Analytics (4 credits)

Introduces students to statistical concepts and applications and cultivate student statistical literacy. Topics that are covered include descriptive statistics, probability distributions, the Central Limit Theorem, applications of the normal distribution, sampling, confidence intervals, and hypothesis testing. Students will become proficient in using Microsoft Excel to compute and convey information; uses calculators to estimate probabilities, perform statistical functions, and inform decisions.

MGQ 301 Statistical Decisions in Management (3 credits)

Prerequisites: MGQ 201, business major

Strengthens skills in the use of statistical methods for decision making and in the interpretation of computer output. Topics covered include estimation, hypothesis testing, regression, and analysis of variance.

MGS 351 Introduction to Management Information Systems (4 credits)

Prerequisites: MGQ 201, business major

Introduces the basic concepts of management information systems from the managerial perspective. Topics include systems theory, information theory, systems analysis, and database management. Also introduces computer software, such as Lotus 1-2-3 and Microsoft Access.

MGT 401 Public Policy, Law and Management (3 credits)

Prerequisite: Business major

Focuses on the regulatory and policy implications of the interaction between government and private business entities, including corporations, partnerships and other business forms. Designed to help students understand the legal environment in which business organizations operate. Examines the role of ethics in business decision-making and the distinction between ethical and legal constraints. Includes discussion of specific laws affecting business and management, including securities regulation, antitrust statutes, and the Sarbanes-Oxley legislation of 2002.

MTH 115 Survey of Algebra and Trigonometry (4 credits)

A pre-calculus module; covers topics from the NYS Regents Course III: order, absolute value, inequalities, exponents, radicals, polynomials, rational expressions, solving systems of linear equations, quadratic equations and inequalities, functions (rational, logarithmic, exponential, trigonometric), graphing, trigonometric identities. Emphasizes applications to problems.

MTH 121 Survey of Calculus and its Applications I (4 credits)

Prerequisite: MTH 115

For students in social, biological, and management sciences. Limits, continuity, differentiation of algebraic and exponential functions; applications; introduces integration.

MTH 122 Survey of Calculus and Its Applications II (4 credits)

Prerequisites: MTH 121 or MTH 131

Continuation of MTH 121. Maximization of functions of several variables using both calculus and elementary linear programming techniques. Elementary integration, simple differential equations, matrix algebra.

MTH 131 Mathematical Analysis for Management (4 credits)

Prerequisite: MTH 115

For students in Management. Limits, continuity, differentiation of algebraic and exponential functions. Applications, partial derivatives and applications. Introduces integration.

MUS 113 Music in Society: Music and Gender (3 credits)

The relationship between music and twentieth-century American society. Examines art, folk, and commercial music in an attempt to uncover musical meaning, both as a reflection of and stimulus for social change. Requires no prior experience or training.

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MUS 115 Understanding Music (3 credits)

History of musical style from the Renaissance to the present day. Examines selected masterpieces of Western music as well as such recent phenomena as serialism, minimalism, electronic, and computer music; requires no previous formal training in music.

MUS 116 Theory of Music for Nonmajors (3 credits)

Elements of writing music; melody, rhythm, intervals, chords, harmony, tone color, and styles of musical expression. Music signs and symbols; traditional language of "tonal" music, with examples drawn from popular and classical music.

MUS 264 World Music (3 credits)

Introduces the student to music from all over the world, and expands concepts of music in the process. Students learn about different instruments from other cultures and how they influence the music they produce, and explore common features of Asian, European, African, American, and Oceanic music. Students also learn different ways of listening. Designed for non-majors. Requires no musical background.

NTR 108 Human Nutrition (3 credits)

Explores basic concepts integral to the science of nutrition. Emphasizes metabolic and physiologic principles underlying digestion and absorption of nutrients, chemical structure and metabolic fate of nutrients, the biochemical role of nutrients in maintaining health, and the effects of over- and under-nutrition on disease pathogenesis.

NTR 109 Nutrition in Practice (3 credits)

Prerequisite: NTR 108, Corequisite: NTR 110

Builds upon the principles of nutrition learned in [NTR 108](#). Assumes a mastery of the concepts of nutrition-as they relate to chemistry, metabolism, and physiology-presented in [NTR 108](#). Emphasizes individual, clinical, social, and applied aspects of nutrition, including food labeling, diet analysis, supplements, and food allergies. Covers additional aspects of health and nutrition such as hypertension, osteoporosis, obesity, cancer and cardiovascular disease.

NTR 110 Nutrition in Practice Lab (1 credit)

Prerequisite: NTR 108, Corequisite: NTR 109

Lab module for NTR 109. Students will investigate their own dietary practices using dietary assessment tools. Students will also visit, analyse and report on observations made in the community and industry-based food systems, food purchasing facilities and cultural food markets.

PHI 101 Introduction to Philosophy (3 credits)

Examines general topics in various areas of philosophy showing different sides of issues; develops critical thought and philosophical method.

PHI 107 Ethics (3 credits)

Introduces value theory, good and bad, justification of obligations to others, relationship of free choice and determinism, and contemporary moral problems analyzed by ethical principles.

PHI 115 Critical Thinking (3 credits)

Examines techniques of problem solving, decision making, and evaluating pros and cons of an issue; organizing data; forming strategies and giving reasons; perceptual, cultural, emotional, intellectual, and expressive blocks to thinking; and simple inductive reasoning and statistical fallacies.

PHI 217 Professional Ethics (3 credits)

Introduces ethical issues encountered in such professions as medicine, engineering, public service, the media, business, social work, accounting, law, and manufacturing with an environmental impact as well as the central concepts of professionalism.

PHI 320 Philosophy of Mind (3 credits)

Introduction to the philosophy of mind, emphasizing both historically significant and contemporary discussion of the relationship between mind and the material world.

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PSY 101 Introductory Psychology (3 credits)

General survey of perception; learning and memory; cognitive, developmental, personality, abnormal, and social psychology; and behavioral neuroscience. Requires participation in research or a short paper.

PSY 207 Psychological Statistics (4 credits)

Prerequisite: MTH 115

Graphs; permutations; combinations; probability; regression; correlation; analysis of variance; descriptive and inferential statistics; parametric and nonparametric tests appropriate to psychological research.

PSY 250 Scientific Inquiry in Psychology (3 credits)

Prerequisites: PSY 101, PSY 207

The research process; observational, correlational and survey, experimental techniques; hypothesis testing and empirical data; scientific knowledge and its applications.

PSY 321 Psychology of Personality (3 credits)

Theory, research, and measurement related to the description, development, and dynamics of the normal personality.

PSY 322 Abnormal Psychology (3 credits)

Theory and description of the major behavior disorders and the psychopathology of everyday life; causes and treatment of these disorders.

PSY 323 Community Psychology (3 credits)

Introduces theoretical concepts and developing practices in community psychology and community mental health.

PSY 324 Clinical Psychology (3 credits)

Introduces clinical psychology. Methods of assessing abnormal behavior, modes of intervention, theories of treatment, and ethical issues.

PSY 325 Health Psychology (3 credits)

Introduces the scientific study of the behavioral and social aspects of health.

PSY 331 Social Psychology (3 credits)

Behavior of individuals and their relations with others; aggression; attraction; attitude formation and change; conformity; obedience; helping; stereotypes; group processes.

PSY 332 Social Conflict and Its Resolution (3 credits)

Overview of social conflict theory and of conflict resolution practice. Topics include the nature and cause of conflict, strategic choice in conflict, escalation, negotiation, and third-party intervention. Emphasizes psychological approaches, but is not limited to them.

PSY 333 Psychology of Work in Organizations (3 credits)

Theory, research, and practices of organizational psychologists; behavior of individuals within organizations; principles of industrial psychology.

PSY 336 Developmental Psychology (3 credits)

Major developmental changes in areas of human behavior, cognition, personality, and social life from the perspective of current theories about development across the lifespan.

PSY 341 Cognitive Psychology (3 credits)

Information-processing approach to human behavior; how people interpret and understand the environment; recognition; memory; language.

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PSY 342 Introduction to Cognitive Science: Concepts of the Mind (3 credits)

An interdisciplinary approach to the understanding of knowledge and mind, guided by principles of formal systems and computation. Concepts and approaches from psychology, philosophy, artificial intelligence, linguistics, and neuroscience.

PSY 343 Sensory Processes and Perception (3 credits)

Surveys experimental data and theories of perception. Perceptual organization and neurophysiology of brain systems, and neural and computational representations involved in vision, hearing, and cutaneous and chemical senses.

PSY 351 Biopsychology (3 credits)

Physiological studies, mainly on the nervous system, relevant to selected theoretical issues in perception, learning, motivation, and problem solving.

PSY 437 Cross-Cultural Psychology (3 credits)

Examines the difference in concepts of the self, interpersonal processes, and group processes across cultures.

SOC 101 Introduction to Sociology (3 credits)

Sociology is the scientific study of human society and social life. We analyze how people influence and are influenced by other people and the social structures in which they live. We examine key concepts, theories, and ideas in sociology, including subfields such as culture, sex and gender, race and ethnicity, crime and deviance, and collective action and social movements.

SOC 293 Social Research Methods (3 credits)

Prerequisite: Completion of SOC 101 is encouraged

Uses scientific rigor to examine the world around us. It requires re-evaluating everyday methods of gathering information and drawing conclusions and using theory, causal modeling, and carefully collected data to arrive at logical, complete, and better-supported explanations of events and social phenomena. Students will learn about and practice doing sociology. The skills developed provide the foundations necessary to conduct professional research and to become better consumers of information.

SOC 294 Basic Statistics for Social Sciences (4 credits)

Prerequisite: Completion of SOC 101 is encouraged

Introduces students to the vocabulary, concepts, and statistical techniques used by quantitative social scientists to describe and test hypotheses about the social world. Students will learn how to (1) describe data distributions, (2) formulate and test research hypotheses, (3) describe and probe the relationship between two or more factors, characteristics, or events in the social world, and (4) interpret and evaluate published statistics.

SOC 349 Classical Sociological Theory (3 credits)

Prerequisite: Completion of SOC 101 is encouraged

Explores the development of sociological theory and forerunners of sociological thought. It covers mostly the theories Marx, Durkheim, Weber, and Simmel, with an emphasis on the strengths and weaknesses of each theoretical approach.

SOC 371 Individual and Society (3 credits)

Prerequisite: Completion of SOC 101 is encouraged

Studies the relation between the individual and society. Examines major theoretical problems, such as human nature; communication and language; perception; socialization; role playing; and the interdependence of values, ideologies, and social structures.

UGC 111 World Civilizations I (3 credits)

Introduces students to the development of world civilizations from prehistory to about 1500, and concerns the peoples, forces, and ideas that have shaped the way individuals have experienced (and still do experience) the world. Features global perspectives, focuses on the origins and development, geographical context, and the interactions of world cultures. All sections of the module share common goals. Different sections emphasize different themes and perspectives.

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UGC 112 World Civilizations II (3 credits)

Introduces students to the continuing development of world civilizations from about 1500 to the present, and concerns the peoples, forces, and ideas that have shaped the way individuals have experienced (and still do experience) the world. Features global perspectives, focuses on the origins and development, geographical context, and the interactions of world cultures. All sections of the module share common goals. Different sections emphasize different themes and perspectives.

UGC 211 American Pluralism and the Search for Equality (3 credits)

Prerequisites: Completion of UGC 111 – 112 is encouraged.

Focuses on the changing nature of American society, examining the rich diversity of cultural experiences in America and issues associated with diversity. Introduces students to five important areas of American experience and culture: race, gender, ethnicity, class, and religious sectarianism. Examines writings by and about Americans of color; women; and people from diverse ethnic, class, and religious groups. Approaches their experiences through a number of traditional academic disciplines.

(updated as at September 05, 2017)