

# (HESA) Health Services Administration

## Graduate Courses

- HESA 511 **MANAGERIAL CONCEPTS IN HC ORGANIZATIONS** (3) Discusses behavioral theory and its underlying principles as applied to the development of managerial and team work skills for health services administrators.
- HESA 515 **HEALTH CARE WORKFORCE STRATEGY** (2) Introduces students to fundamental human resource functions: recruitment and selection, performance management, compensation and benefits, training and development, employee labor relations as they are implemented in health care organizations. The course will explore the unique strategic imperatives and challenges of workforce development in a health care organization. Pre-requisite: HESA 511
- HESA 519 **STRATEGIC MANAGEMENT & MARKETING** (3) Applies organizational theories to the understanding and management of the processes by which leaders and their top management teams formulate organizational mission, assess external environments and align internal resources in the implementation of organizational strategies designed to maximize strengths and opportunities and to eliminate weaknesses and threats. Pre-requisite: HESA 511
- HESA 521 **QUANT METHODS FOR HC MGMT** (3) Discusses the nature and application of various quantitative methods for analyzing and improving organizational systems and processes within the health care field.
- HESA 523 **CONTINUOUS QUALITY IMPROVEMENT TECH IN HC** (3) Introduces the theoretical application of statistical quality management in health care as well as the practical application of quality improvement methods in health care settings. Pre-requisite: HESA 511, HESA 521
- HESA 529 **INFO SYSTEMS FOR HEALTH SERVICES** (2) This course introduces students to theory, technology, and practical application of information systems. Emphasis is placed on preparing managers to interact with multidisciplinary personnel to design, acquire and maintain information systems for integrated health care delivery. Pre-requisite: HESA 551
- HESA 551 **MANAGEMENT ACCOUNTING FOR HC** (3) Examines basic concepts of the structure and use of information to support managers' decision models. Introduces activity-based techniques for costing sales of health services, delivery activities and alternative organization structures. Covers accounting techniques to support the control of operations. Focuses on the relationship of costs to revenues in competitive, integrated care delivery systems. Pre-requisite: Basic accounting course
- HESA 555 **CORPORATE FINANCE FOR HC ORGANIZATIONS** (3) Examines basic principles and techniques used in the financial management of a health care facility, with special emphasis on the capital acquisition problems within the health care industry and their relationship to external pressures on the industry's structure. Pre-requisite: HESA 551
- HESA 559 **FINANCIAL MANAGEMENT OF HC ORGANIZATIONS** (3) Examines special financial management topics in the health care industry, such as leasing, refunding debt, risk analysis, outsourcing, and merging. Places special focus on the management implications of revenue flows under various payment systems within integrated delivery systems and the effects of regulation. Pre-requisite: HESA 551, HESA 555; or for dual degree students ACCT 901, FINC 901
- HESA 561 **CLINICAL PROC FOR HLTHCARE ADMIN** (2) Prepares students to become conversant with clinicians by introducing them to basic concepts, terminology, disease processes and clinical issues and by exposing them to clinical experiences in the classroom and in patient care environments.
- HESA 565 **DESCRIPTIVE EPIDEMIOLOGY** (1) Introduces students to the concepts, skills, and data sources involved in epidemiology and to the application of descriptive epidemiology to population health management and health services. This course presents concepts which are more fully applied in HESA 569.

- HESA 569 **MANAGERIAL EPIDEM & MED CRE ANAL** (2) Students are introduced to the application of epidemiologic literature in health services management through an applied project using a health status analysis. Methods to determine risk factors for health problems are discussed and examined in this project. Pre-requisite: HESA 521, HESA 565
- HESA 571 **HEALTHCARE SERVICES IN THE U.S.** (3) Provides a historical perspective on the development of health care services in the United States, a description of the key factors and issues which influence the development of the current health care delivery systems and a description of the current health care delivery systems.
- HESA 575 **HEALTH ECONOMICS** (3) Examines the application of economic principles to the allocation of scarce resources in health care; the use of economic theory to understand problems of organization, delivery, and financing of health services; and the choices available to society regarding these issues.
- HESA 579 **HEALTH POLICY & POLICY ANALYSIS** (2) Provides an overview of health policy in the United States and introduces both qualitative and quantitative methods for analyzing health policy with attention given to the political and economic perspectives on health policy questions. Pre-requisite: HESA 571, HESA 575
- HESA 581 **HEALTH CARE LEGAL ASPECTS** (3) Describes the legal climate within which the health care institution operates with an emphasis on the legal concepts that influence the activities of health care administrators. Pre-requisite: HESA 571
- HESA 585 **INTRO TO HEALTH CARE ETHICS** (1) Provides an overview of the key ethical theories and principles of biomedical ethics as well as an introduction to the key ethical issues in health care.
- HESA 587 **KEY ISSUES IN BIOMEDICAL ETHICS** (1) Presents the key issues in biomedical ethics from patient/family, clinical, and managerial perspectives. Pre-requisite: Undergraduate ethics course or HESA 585 and HESA 571
- HESA 589 **ETHICAL ISSUES IN HEALTHCARE MGMT** (1) Considers the key ethical issues in health care management which exist in operations, policy, contracting and partnering in its various forms. Pre-requisite: Undergraduate ethics course or HESA 585 and HESA 571
- HESA 599 **INTEGRATIVE SEM ON HLTH SVCS ADMIN** (2) Integrates the specialized discipline and knowledge learned from previous HSA courses through the use of case analysis. Students are challenged to formulate strategies that address complex problem situations faced by managers of health services organizations. Pre-requisite: HESA 511, HESA 519, HESA 521, HESA 523, HESA 559, HESA 565, HESA 569, HESA 571, HESA 575 and two of the following three courses: HESA 585, HESA 587 or HESA 589
- HESA 601 **PROFESSIONAL DEVELOPMENT I** (0) Introduces students to professional organizations, trade organizations and accrediting agencies that serve and support the health care industry. Invited executive speakers discuss their respective organizations' missions, philosophies and functions.
- HESA 602 **PROFESSIONAL DEVELOPMENT II** (0) Focuses on preparing students for administrative residency search. Students prepare resumes and letters and undertake mock interviews as preparatory measures. Residency search begins at the end of the spring semester and continues through summer and fall semester for MHA students. Dual degree students begin their active residency and/or fellowship searches generally in the fall semester of their second year. Pre-requisite: HESA 601
- HESA 603 **PROFESSIONAL DEVELOPMENT III** (0) Brings to campus regional and national executives who have exhibited leadership in health care management. These executives discuss issues and topics of interest. Students also assist in preparing for the annual Fall Leadership Conference. Pre-requisite: HESA 602
- HESA 604 **PROFESSIONAL DEVELOPMENT IV** (0) Prepares students for administrative residency. Preceptors and current administrative residents visit campus to share their expectations and experiences. Local and regional CEOs, senior managers and other professionals also address pertinent health care topics in a seminar format. Pre-requisite: HESA 603

- HESA 634 **ADV QUALITY IMPROVEMENT METHODS** (3) Applies quality improvement practices including total quality management and quality function deployment to service organizations at an advanced level. Pre-requisite: HESA 523
- HESA 646 **MARKETING IN A MANAGED CARE ENVIRONMENT** (2) Examines the use of marketing concepts, functions and policies as well as the role of marketing within the current managed health care environment. Data sources on the Internet and software/databases related to health care marketing are utilized in class experiences and in a project. Pre-requisite: HESA 571
- HESA 651 **AGING IN OUR SOCIETY** (3) Examines the areas of biology, sociology, and psychology of aging with an emphasis on the application of research methodologies to the field of aging.
- HESA 655 **ADMIN OF AGENCIES SERVING AGED** (3) Examines and evaluates the range and relationship of community services, both existing and proposed, for chronically ill patients and an aging population. Pre-requisite: HESA 651
- HESA 659 **ADM OF INSTITUTIONS SERVING AGED** (3) Examines the role of the administrator in developing and administering policies and programs to meet the needs of chronically ill patients and an aging population. Pre-requisite: HESA 651
- HESA 662 **MEDICAL GROUP MANAGEMENT** (3) Expands and applies knowledge of teamwork, statistical analysis, financial management, organizational theory, strategic management and interpersonal skills to enhance the student's ability to engage physicians in the development, governance and management of medical groups. Pre-requisite: HESA 571
- HESA 672 **HEALTHINS SYSTEMS & CONCEPTS** (2) Covers the fundamental knowledge and skills necessary for interacting with or operating managed care insurance organizations in the current health care environment. Projects will be completed using problems related to managed care insurance and management of health care utilization risk. Pre-requisite: HESA 551, HESA 565, HESA 569, HESA 571
- HESA 686 **CORPORATE ETHICAL ISSUES IN HC** (3) Develops systematic methods of analyzing the ethical implications of corporate policies, practices and strategic decisions as they relate to internal and external stakeholders as well as to society itself. Pre-requisite: HESA 589
- HESA 710 **IND STUDY IN HEALTH ADMIN I** (1 to 3) Permits the student to individually investigate current issues related to the management of health care organizations under the guidance of a faculty member.
- HESA 711 **IND STUDY IN HEALTH ADMIN II** (1 to 3) Continuation of HESA 710
- Administrative Residency/Practicum**
- HESA 720 **INSTITUTION & COMMUNITY ANALYSIS** (2) Provides the student with firsthand, in-depth skills in analyzing the internal operations of a health care institution, including governance, departmental structure, planning and financial management, and human resources development, as well as the external environments impacting the organization.
- HESA 730 **PRACTICUM IN EXECUTIVE DEVELOPMENT I** (2) Provides students with the opportunity to observe executive role models and to assess and develop their own management philosophies.
- HESA 750 **MASTER'S PROJECT I** (3) Requires students to conduct an individual integrative project that addresses an aspect important to both the student and the preceptor through either hypothesis testing, management studies, competency demonstrations, or case studies analyzing organizational policy or program implementation processes.
- HESA 751 **MASTER'S PROJECT II** (3) Continuation of HESA 750.

# (HIST) History

## Lower Division Courses

- HIST 105 **WORLD HISTORY I** (3) A survey of pre-1500 world societies with an emphasis on non-western cultures.
- HIST 106 **WORLD HISTORY II** (3) A survey of world societies since 1500 with an emphasis on non-western cultures.
- HIST 123 **AFRICAN HISTORY I** (3) A survey of African societies from human evolution and hunter-gathering societies to the mighty states of West Africa in the medieval era. Attention is paid as well to historiography and historical sources in early African history.
- HIST 124 **AFRICAN HISTORY II** (3) A survey of African societies from 1500 on. Examines both internal political and economic developments as well as the trans-Atlantic slave trade and the era of colonialism that result from European contact. Pre-requisite: HIST 123
- HIST 133 **EUROPEAN HISTORY I** (3) A topical survey of Western Civilization from Greece to the Reformation emphasizing aspects of political, social and cultural history.
- HIST 134 **EUROPEAN HISTORY II** (3) A topical survey of European history from the 16th century to the 20th century emphasizing aspects of political, social, and economic and intellectual history. Pre-requisite: HIST 133
- HIST 143 **U.S. HISTORY I** (3) Study of the United States from its colonial beginnings through the Civil War, with particular emphasis on the American Revolution, the formative years of the new nation, and the coming of the Civil War.
- HIST 144 **U.S. HISTORY II** (3) Study of the United States from the aftermath of the Civil War to the present, with particular emphasis on Reconstruction, impact of industrialization and urbanization, foreign policies, and post-World War II American culture. Pre-requisite: HIST 143
- HIST 151 **LATIN AMERICAN HISTORY I** (3) This course will survey major developments in Latin American history and civilization from pre-conquest times through the Independence era of the nineteenth century. Our particular emphasis will be on understanding the unique ethnic and cultural interaction that resulted from the diverse encounters among indigenous peoples, Europeans, and Africans in the Americas.
- HIST 152 **LATIN AMERICAN HISTORY II** (3) This course will survey major developments in Latin American history from approximately 1810 to the present. Through lectures, a variety of readings, in-class discussions, and films, this course will explore the political, economic, and social processes that have shaped modern Latin America. Pre-requisite: HIST 151
- HIST 154 **WAR & PEACE IN MODERN WORLD** (3) Survey of Europe and America since the 18th century with special emphasis on political, cultural, economic and strategic issues related to war and peace. Pre-requisite: HIST 105, HIST 133 or HIST 143 Pre-requisite or Co-requisite: PHIL 100, THEO 111
- HIST 161 **ASIAN HISTORY I** (3) This course introduces students to the history and cultures of India, China and Japan. It will explore the major historical events and traditions, ideas, values and social systems of these regions as they came into existence in the past and continue today to shape the lives of people in these regions.
- HIST 162 **ASIAN HISTORY II** (3) Pre-requisite: HIST 161

## Upper Division Courses

- HIST 210 **AMER DEMOCRACY: HISTORY & PRACTICE** (3) An historical and practical investigation of American democracy.
- HIST 245 **CINCINNATI HISTORY & POLITICS** (3) (POLI211) A political history of Cincinnati with an analysis of contemporary urban politics.
- HIST 280 **ALFRED HITCHCOCK IN HOLLYWOOD** (2) (COMM280, EDWS284) This course is designed for undergraduates and serves as both an in-depth investigation

- of a major artist and an exploration of American attitudes and institutions during World War II, the Cold War, and the upheavals of the 1960s and early 70s. Students are required to do a significant amount of reading and writing.
- HIST 285 **HOLLYWOOD: A SOCIAL & CULTURAL HISTORY** (2 to 3) (COMM197) Hollywood had always taken historical themes for some of its most ambitious projects, a trend that has become even more pronounced in the past decade. What has not always been understood is that Hollywood and the development of the American movie industry has been a central element in the social and cultural history of 20th century America. Thus, this workshop has two purposes: to critically examine various film images of American history and equally important, to place Hollywood and its products in the larger context of 20th century American history.
- HIST 286 **AMERICA THROUGH THE LENS** (2) (COMM297, EDWS286) Films and television programs will be analyzed in order to both identify the cultural and historical messages they contain. The formulas and conventions of Hollywood genres will be examined. This understanding of genre will serve as a primary analytical tool as we de-construct the films and television programs studied in class.
- HIST 287 **BASEBALL & AMERICAN CULTURE** (2) Commentators have long argued that baseball is a key to understanding American culture and the American character. Over the past two decades historians of the sport have unearthed an enormous amount of material that not only verifies this insight but allows us to be more precise about the connection between baseball and the development of American culture.
- HIST 288 **UN-“HAPPY DAYS”: FEAR IN 1950s** (2) (COMM288, EDWS288) This course is designed for undergraduates and serves to introduce students to the study of mass media as well as a crucial decade in American history. It also explores the use and misuse of history, calling into question the tendency to serve up history in ten year units (i.e. the opening lecture is “The Fifties: 1935-1992”). Students are required to do a significant amount of reading (two books and a handful of reviews) and writing (five short reaction papers and a longer analytical paper).
- HIST 289 **MOVIES AND CITIES** (2) (COMM289, SOCI289) The course is designed for undergraduates and serves as an introduction to both American urban history and the history of movies. It also acquaints students with interdisciplinary methods. Students are required to do a significant amount of reading and writing.
- HIST 301 **COLONIAL AMERICA** (3) Examines the establishment and evolution of Anglo-American colonial societies to 1754, emphasizing their social, economic, cultural, and political development.
- HIST 302 **FORMATIVE YEARS OF REP 1763-1789** (3) Thirteen colonies become a national state. Emphasis on the causes of the American Revolution and the writing of the Constitution of 1789.
- HIST 303 **THE NEW NATION 1785-1825** (3) The U.S. Constitution and the ideas and issues which conceived and influenced the shaping of the new nation.
- HIST 304 **THE AGE OF JACKSON** (3) Probes the origins of the market revolution in America and its impact upon social, cultural and political institutions.
- HIST 306 **CIVIL WAR & RECONSTRUCTION** (3) Examines the causes and consequences as well as the experience of civil war, focusing on 1848 to 1877.
- HIST 309 **AGE OF BIG BUSINESS: 1885-1920** (3) A survey of the period emphasizing political, social, and economic topics.
- HIST 313 **UNITED STATES SINCE 1932** (3) Beginning with an analysis of the Great Depression and the federal response in the New Deal, this course traces the development of domestic and foreign policy in terms of New Deal liberalism and its challengers.
- HIST 317 **RELIGION IN AMERICAN LIFE** (3) Surveys American religious life from Puritanism to Televangelism, exploring such topics as revivalism as a distinctly American mode of religious expression and the relationship between religion and society.
- HIST 320 **U.S. ECONOMIC HISTORY** (3) (ECON340) A brief overview of the historical development of the American economy, examines in depth such topics as industri-

- alization and its discontents, the rise and demise of slave labor, and the economic history of women.
- HIST 321 **NATIVE AMERICAN HISTORY (3)** This course provides an overview of Native American history from the peopling of the Americas to the present. It challenges students to consider the ways in which the history of Indian peoples is intertwined with the larger narrative of American history. Topics covered include the development of agriculture in North America, Native American cultural diversity, the encounter with European and African peoples, the ongoing struggle for sovereignty. Emphasis is placed upon the ways Native American peoples coped with the colonization of their continent and continue to perpetuate their cultural identities in the midst of a non-Native American population.
- HIST 323 **AFRICAN-AMERICAN HISTORY 1600-1865 (3)** This course examines the African and African-American experience in British North America and the United States. It stresses that the institution of chattel slavery varied according to time and location. Special emphasis is placed upon the resistance of the enslaved, cultural continuities and discontinuities with Africa, the development of free black communities, African-American religion, and family life under slavery.
- HIST 325 **BLACK AMERICA SINCE 1865 (3)** (ENGL358) Beginning with a discussion of the transition from slavery to freedom after the Civil War, this course examines the urbanization of black America, the development of black institutions and political power, the civil rights and black power movements, and the role of race in the contemporary world.
- HIST 327 **HISPANIC MINORITY IN US HISTORY (3)** Covers the story of Hispanics in the U.S.A. from the days of the "Spanish Borderlands" through Guadalupe/Hidalgo (1848) to the Cubans, Puerto Ricans and Chicanos of the 1990s.
- HIST 329 **URBAN AMERICA (3)** Focused on the period from the Civil War to the end of the New Deal this course examines urban industrialization and its impact on American society, politics, and culture.
- HIST 330 **POLITICS OF CENTRAL/EASTERN EUROPE (3)** (POLI330) This course will concentrate on post, present, and future political developments in those eight East European countries where communist parties once ruled. Our goal is to understand the region's diversity and analyze common and diverging points of the communist and post-communist experiences.
- HIST 332 **BEER, BASEBALL & POP CULTURE (3)** Examines popular culture in industrializing America as a means of exploring social change and cultural conflict. The course links such topics as temperance and prohibition, the rise of sports, and the emergence of mass culture as phenomena which both reflected and shaped the distribution and uses of political power.
- HIST 334 **SOCIAL UNREST IN RECENT AMERICA (3)** Social unrest in the United States from the 1960s to the present.
- HIST 340 **HISTORY OF MEXICO (3)** An overview of the history of Mexico from prehistoric times to the present - stressing the years from Independence to the 1990s.
- HIST 341 **ARGENTINA, BRAZIL, CHILE, URUGUAY (3)** Covers the history of the Southern Cone countries - with an emphasis on the late 19th and 20th centuries.
- HIST 342 **THE CARIBBEAN & CENTRAL AMERICA (3)** Provides an historical overview from the days of the Caribes and Arawacs and Mayas- through the age of the "Banana Republics" to the present.
- HIST 343 **GRAN COLUMBIA (3)** Traces the 19th and 20th century history of those countries that remain of the great dream of South American unity of Simon Bolivar- Columbia, Venezuela, Ecuador.
- HIST 344 **CONTEMPORARY LATIN AMERICA (3)** Emphasizes late 19th and 20th century realities in Latin American history - Dependency Economics, dictatorships, debts, and the role of the U.S.A.
- HIST 346 **JAPAN SINCE 1868 (3)** Includes the fall of the Tokugawas, the Meiji period, and the Post World War II boom era.

- HIST 347 **MODERN CHINA** (3) Includes the decline of the Manchus, the nationalist period, and the Communist era.
- HIST 351 **ZIONISM & MODERN ISRAEL** (3) This course traces the growth of the Zionist movement at the end of the 19th century, first in Russia and then in Western Europe and the U.S., and its role in the creation of modern Israel coupled with an examination of Israel's history since 1948. There are two major goals in this course: to trace the development of modern Jewish nationalism as a response to 19th century anti-Semitism and understand its relationship to the creation of Israel; and second, to examine how new interpretations of Israel's history published in the past decade challenge the myths and presuppositions underlying the creation and development of the state.
- HIST 358 **RENAISSANCE EUROPE** (3) Examination of social, economic, political and intellectual issues in Europe (1300-1555): family structure, the transition from feudalism to capitalism, republican and courtly ideals, the rise of civic humanism in Italy and the dispersion of humanism north of the Alps.
- HIST 359 **REFORMATION EUROPE** (3) A study of the interaction between religious, social, and political reforms with an emphasis on the ideas of Luther, Zwingli, Calvin, and the peasants.
- HIST 360 **EUROPE 1648-1815** (3) Social, political, and intellectual developments in the period from absolutism to enlightened monarchy. Emphasis will be placed on the evolution of state institutions and bureaucracies.
- HIST 366 **TUDOR ENGLAND** (3) A survey of the political, intellectual, social, and economic history of England from 1485 - 1603.
- HIST 367 **STUART ENGLAND** (3) A survey of the political, intellectual, social and economic history of England from 1608 - 1688.
- HIST 368 **THE ENGLISH REFORMATION** (3) (THEO248) An examination of the historiography of the English Reformation and of the political, social, and religious backgrounds course of the reformation in England from the late middle ages through the reign of Elizabeth I.
- HIST 370 **THE BRITISH EMPIRE** (3) An examination of issues of the 19th and 20th century British Empire.
- HIST 372 **VICTORIAN & EDWARDIAN ENGLAND** (3) Survey of English history 1830s - World War One.
- HIST 373 **ENGLAND SINCE 1914** (3) Survey of English history and England's role in world affairs with major emphasis on 1914-1945.
- HIST 375 **MODERN IRELAND** (3) Survey of Irish history with major emphasis on the period after 1840; includes the history of Northern Ireland.
- HIST 377 **MODERN FRANCE** (3) Survey of French history and culture since 1789.
- HIST 378 **FRANCE: REVOLUTION** (3) French history 1789-1815.
- HIST 383 **NAZI GERMANY** (3) German history, 1920s - 1945.
- HIST 386 **RUSSIA 1801-1917** (3) A general survey of the late imperial period from the reign of Alexander I to the 1917 Revolution.
- HIST 387 **SOVIET & POST-SOVIET POLITICS** (3) (POLI387) A survey of the Soviet period emphasizing the 1917 Revolution and the Stalin era to better understand contemporary events.
- HIST 389 **WOMEN IN EUROPEAN HISTORY** (3) This course examines the central experiences of European women from the French revolution to the Present. We will focus on women's involvement in social and political movements (progressive and reactionary), women's work, the changing relationship to the state (suffrage, welfare, legislation), the family, the emergence of modern feminism, women and war, and consumer culture. The course will also explore the evolution of the nature and meanings of masculinity and femininity.
- HIST 392 **TERRORISM IN THE WESTERN WORLD** (3) Historical analysis of terrorism, especially in Europe and the United States, with emphasis on the period from the mid-19th century to the present.

- HIST 395 **HISTORY OF SOUTH AFRICA** (3) South Africa is one of the wealthiest nations on the African continent and yet for the last three hundred years its riches have been in the hands of the white minority. The history of South Africa cannot be understood only within the context of European/African relations. For Dutch (Afrikaaner) and British settlers often have not shared economic and political interests. Moreover, Africans, such as Khoi, Xhosa, and Zulu have also been in conflict. The history of South Africa then, provides the opportunity to study a racially complex society in which interracial relations, and sometimes intraracial relations, were (and still are) troublesome.
- HIST 402 **SEM: RELIGION IN AMERICAN LIFE** (3) Examines the relationship between religion and culture in a specific era of American life (e.g. Colonial America, Jacksonian America, the Gilded Age). Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- HIST 404 **SEM: HISTORICAL ARCHAEOLOGY** (3) This course is designed to provide students with an opportunity to practice the discipline of archaeology while engaging them in historical research. They will gain experience in archival, field excavation, and laboratory techniques.
- HIST 405 **SEM: AMERICAN REVOLUTION** (3) A study of the causes and issues which contributed to the coming and character of the American Revolution.
- HIST 410 **SEM: URBAN AMERICA** (3) Examines the impact of urbanization on American thought, culture, and society between the Civil War and the Great Depression.
- HIST 412 **SEM: SHAPING THE AMERICAN CHARACTER** (3) By focusing on cultural, social, and intellectual matters, this course studies various interpretations of American character.
- HIST 414 **SEM: TOPICS IN NATIVE AMERICAN HISTORY** (3) This course will introduce students to the history of Native American peoples and to the particular methodological problems involved in studying peoples who have left limited documentation.
- HIST 415 **SEM: PUBLIC HISTORY** (3) This course will provide students with basic preparation for work in cultural resource management, historic preservation, and museum fields.
- HIST 428 **SEM: LATIN AMERICA** (3) Directed research on selected topics in Latin American History - Seminar approach (emphasis on computer research techniques).
- HIST 431 **SEM: MEDIEVAL SEX & FAMILY** (3) An examination of the elements leading to the development of a Christian theology of the family and of Christian sexual morality and how that morality changed within the social, intellectual, and political milieu of the middle ages.
- HIST 432 **SEM: EUROPEAN HISTORY/HISTORIANS** (3) Analysis of the methods, practices, and theoretical assumptions employed by contemporary historians of Europe.
- HIST 441 **SEM: TUDOR ENGLAND** (3) An examination of selected topics in English history 1485 - 1603.
- HIST 450 **SEM: AFRICAN WOMEN** (3) This course seeks to place the role of women in African societies in an historical context exploring how their roles and lives have changed (and stayed the same) under the influence of their own societies and cultures, economic development, colonial rule, Islam, and Christianity. The primary goal is to seek to understand African women from their own perspective. Thus, we begin the course by exploring the differences between Western ideas of feminism and gender and African constructions of the same.
- HIST 451 **SEM: AFRICAN CHRISTIANITY** (3) This seminar will explore the diverse ways Africans appropriated Christianity and interpreted it within their own cultural constructs to produce a distinctive African Christianity. The goal of the course is to look at evangelization and conversion within a particular historical context.
- HIST 455 **SEM: POLITICS & VIOLENCE IN IRELAND** (3) Reading and research, 20th century Ireland.
- HIST 465 **SEM: MODERN RUSSIA** (3) Selected topics in the history of late Imperial Russia.

- HIST 466 **SEM: THE STALIN ERA** (3) Selected topics in the era of Josef Stalin from the pre-revolution to his death.
- HIST 468 **SEM: EUROPEAN SOCIAL HISTORY** (3) Reading and research on 19th and 20th century European social and family issues.
- HIST 470 **SEM: WAR, CULTURE & SOCIETY: 20TH CEN** (3) Reading and research in the nonmilitary aspects of war. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite PHIL 100, THEO 111
- HIST 480 **SEM: HISTORY WITHOUT DOCUMENTS** (3) This seminar is an introduction to sources and techniques used by historians for reconstructing the histories of pre-literate societies, including those of groups embedded within larger literate ones. The goal will be to understand different kinds of archaeological, linguistic, oral, and ethnographic data available, some of the ways these are interpreted by archaeologists, anthropologists, and historians, and how we as historians interpret and employ their data and interpretations for our own purposes.
- HIST 498 **READING AND RESEARCH** (3) Special topics examined through independent research.

## (HRES) Human Resources

### Undergraduate Courses

- HRES 301 **HUMAN RESOURCES** (3) A survey of workforce issues including labor force trends, diversity, compensation, income distribution, productivity, labor unions and human resources law/public policy.
- HRES 302 **LABOR RELATIONS** (3) Evaluation of collective bargaining as a method for dealing with issues and problems involved in union-management relations. Focus on relationships and contract negotiations. Mock negotiations used.
- HRES 303 **CO-OP EDUCATION/HUMAN RES: JR** (3 to 6) An elective cooperative experience where students earn academic credit while performing approved human resources-related work experience. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA departmental approval
- HRES 305 **DISPUTE SETTLEMENT** (3) Analysis of the settlement of disputes in business; emphasis on contract administration and the arbitration process. Casework.
- HRES 310 **CURRENT HUMAN RESOURCES ISSUES** (3) Analysis of current human resource issues facing workers and their managers. Topics will vary to keep course up to date.
- HRES 313 **HUMAN RESOURCES LAW** (3) Analysis of the law governing the relationship between workers and their employer; emphasis on laws treating labor-management relations, working conditions, discrimination, and individual employee rights.
- HRES 321 **WORKFORCE DIVERSITY** (3) Impact of demographic diversity on organizations. Examination of the problem of discrimination in U.S. labor markets, with primary attention to race and sex discrimination.
- HRES 325 **INTERNATIONAL HUMAN RESOURCES** (3) Compare and contrast labor markets in Asia, Europe, and the U.S. Compare and contrast human resource decisions and practices in different countries (Canada, Great Britain, Germany, France, Sweden, Japan, China, and Mexico). Analyze human resource issues and practices that today's multinational firms are facing. Topics include: international recruitment and selection, repatriation, training and development performance management, compensation, and labor relations.
- HRES 330 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (MGMT321, PSYC321) Application of psychological principles and procedures to a variety of organizations. Research, measurement and human behavior are emphasized.
- HRES 340 **WORKFORCE DEVELOPMENT PROGRAMS & POLICIES** (3) Analysis of programs and policies aimed at fully employing the workforce, especially the economically disadvantaged, minorities, women, and dislocated workers; including remediation, job training, and government employment programs.

- HRES 345 **COMPENSATION THEORY & PRACTICE** (3) An examination of the logic and practices involved in current programs for compensating employees.
- HRES 401 **MORALITY & EMPLOYMENT ISSUES** (3) Uses leading philosophic concepts and normative principles to apply analytic and descriptive tools to critical workplace issues. Fulfill E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111 (One must be prerequisite and the other pre-requisite or co-requisite)
- HRES 403 **CO-OP EDUCATION/HUMAN RES: SR** (3 to 6) An elective cooperative experience where students earn academic credit while performing approved human resources-related work experience. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA, departmental approval
- HRES 495 **CURRENT HUMAN RESOURCES PROBLEMS** (3) Analysis of current human resource issues facing workers and their managers. Topics will vary to keep course current.
- HRES 499 **TUTORIAL IN HRES** (2 to 3) Content to be determined according to the needs of the student. Pre-requisite: Approval of program director and dean

#### **Graduate Course**

- HRES 701 **HUMAN RESOURCES** (3) The focus is on emerging issues in human resources development and description of the continuous analytical comprehensive process of strategic human resource management. Topics include: traditional versus strategic human resources management, measurement of human resources effectiveness, the role of human resources in continuous improvement processes, international human resource management and diversity initiatives. Pre-requisite: Admission to the Executive MBA program
- HRES 901 **INTRO TO HUMAN RESOURCES** (2) Key processes of human resource management including selection, employee development, performance management, reward systems, and employee relations. Pre-requisite: All Business Skills and Foundation Skills courses
- HRES 903 **WORKFORCE DIVERSITY ISSUES** (3) Examines issues of demographic diversity in the work force, such as employment discrimination, work/family, affirmative action, sexual harassment, "glass ceilings" and immigration/globalization. Evaluates the impact of diversity on organizations and their employees.
- HRES 911 **DISPUTE RESOLUTION & ARBITRATION** (3) Analyzes the settlement of disputes in business without resorting to the legal system. Emphasis on employer/employee disputes in both union and nonunion contexts. Case work.
- HRES 912 **COLLECTIVE BARGAINING SEMINAR** (3) An examination of contract negotiations as a tool for handling problems and issues in labor-management relations; alternatives to adversarial bargaining. Casework involved.
- HRES 913 **HUMAN RESOURCES LAW** (3) Analysis of current law dealing with individual employee rights; health and safety; labor-management relations; and discrimination based on race, sex, age, and handicap. Casework.
- HRES 915 **PERSONNEL PSYCHOLOGY** (3) (PSYC522) Psychological dimensions of human resource functions in organizations. Job analysis, personnel selection, orientation and placement, performance evaluations, training and development, employment legislation and related topics, with emphasis upon current research and literature.
- HRES 917 **PERSONNEL TRAINING & DEVELOPMENT** (3) An examination of the field of training and developing the workforce as it occurs in industry and government.
- HRES 918 **EMPLOYMENT & TRAINING POLICY ISSUES** (3) Case studies in employment and training policies directed at full employment of the U.S. labor force. Emphasis on job training, equal employment opportunity, and government employment programs aimed at minorities, women, dislocated workers, and economically disadvantaged.
- HRES 919 **COMPENSATION ISSUES** (3) An examination of contemporary problems and issues involved in programs for compensating employees.
- HRES 995 **INDIVIDUAL READING & RESEARCH** (2 to 3) Open to especially qualified students with the consent of the program director and dean.

## (HUMN) Humanities

### Graduate Courses

- HUMN 501 **WESTERN INTELLECTUAL TRAD I** (3) An exploration of the changing character of the hero in history, literature, and art from Homeric Greece to the modern era.
- HUMN 502 **WESTERN INTELLECTUAL TRAD II** (3) The hero in history, literature, and art in the 19th and 20th centuries.
- HUMN 503 **WESTERN INTELLECTUAL TRAD III** (3) An exploration of utopias and related visions of the ideal from the 16th to the 20th century.
- HUMN 504 **WESTERN INTELLECTUAL TRAD IV** (3) A history of the future: visions (utopian and dystopian) and projections of the future in the 19th and 20th centuries.
- HUMN 505 **WESTERN INTELLECTUAL TRAD V** (3) Memory, representation, and contested views of the past: an exploration of American cultural, historical, and political issues.
- HUMN 506 **WESTERN INTELLECTUAL TRAD VI** (3) Memory, representation, and contested views of the past: an exploration of modern European cultural, historical, and political issues.
- HUMN 507 **WESTERN INTELLECTUAL TRAD VII** (3) Reading and research on war and culture (nonmilitary topics, European and American).
- HUMN 511 **LANGUAGE OF THE HUMANITIES** (3) (ENGL601) Critical study of topic-directed, audience-directed, and author-directed discourse. Intensive practice in writing.
- HUMN 598 **INDEPENDENT STUDY** (3) Special topics explored through independent research.
- HUMN 599 **INDEPENDENT STUDY** (1 to 3) Open to qualified students with the consent of the department chair.

## (INFO) Information Systems

### Undergraduate Courses

- INFO 200 **MANAGING INFORMATION TECHNOLOGY** (3) Introduction to computer-based information systems with an emphasis on the management of modern information technologies used to support different organizational operations. This course also introduces basic spreadsheet and database software. Pre-requisite: Basic computer skills
- INFO 250 **INTRO TO STRUCTURED PROGRAMMING** (3) Introduction to programming logic using Visual Basic with further introductions to structured programming techniques. Pre-requisite: INFO 200 or equivalent
- INFO 303 **CO-OP EDUCATION/INFO SYS: JR** (3 to 6) An elective cooperative experience where students earn academic credit while performing approved information systems-related work experience. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA, departmental approval
- INFO 328 **DATABASE MANAGEMENT** (3) This is an introductory survey course in database concepts, history, evolving trends, design and implementation. There will be a conceptual portion and a "hands-on" development portion of the course. This course is designed to be a fundamentals course. Pre-requisite: INFO 200 or equivalent
- INFO 357 **DATA COMMUNICATIONS & NETWORKING** (3) Data communication fundamentals for networking and distributed processing, communication protocols, and local area networks. Pre-requisite: INFO 200 or equivalent
- INFO 358 **DATA MODELING AND MANAGEMENT** (3) The study of the theory of modeling enterprise activities in terms of their data. Data bases are implemented emphasizing the relational model. Pre-requisite: INFO 200 or equivalent

- INFO 359 **HARDWARE & SOFTWARE OVERVIEW** (3) Analysis of the architecture of micro computers, workstations, and small mid-range computers, with emphasis on comparative operating systems and environments. Pre-requisite: INFO 200 or equivalent
- INFO 362 **PROGRAMMING FOR MODERN BUSINESS APPLICATIONS** (3) Introduce students who have a basic understanding of computer concepts to programming languages currently being used by the business community. Contact the department for information on specific languages currently covered. Pre-requisite: INFO 250 or equivalent
- INFO 374 **WORLD WIDE WEB FUNDAMENTALS** (3) Tools and techniques for designing and developing quality Web pages with a concentration on the implementation of efficient and effective Web sites for personal use, small businesses, corporate offices, and entrepreneurial ventures. Pre-requisite: INFO 200 or equivalent
- INFO 378 **E-BUSINESS** (3) Electronic commerce is an essential element for most modern businesses. This course will study all aspects of electronic commerce including the structure, organization, and use of the Internet as a means of conducting business. An emphasis will be placed on evaluating, organizing, and developing efficient models of electronic transactions. Pre-requisite: INFO 374 or equivalent
- INFO 403 **CO-OP EDUCATION/INFO SYS: SR** (3 to 6) An elective cooperative experience where students earn academic credit while performing approved information systems-related work experience. Pre-requisite: MGMT 301 or equivalent, 55 credit hours completed, 2.75 GPA, departmental approval
- INFO 450 **SYSTEMS ANALYSIS AND DESIGN** (3) Structured tools and techniques for the development of computerized information systems with emphasis on the process involved in the analysis and design of the development process using a structured life cycle approach. Special emphasis will be placed on team development and on quality control for the development of effective and efficient information systems. Pre-requisite: FINC 300, MGMT 300, MKTG 300 or equivalent, or permission of instructor Co-requisite: INFO 358
- INFO 490 **CONTEMPORARY ISSUES IN INFO SYS** (3) Current issues, developments and future trends in the advancement of information systems in business. Pre-requisite: Junior/Senior status or permission of instructor
- INFO 495 **SYSTEM DEVELOPMENT PROJECT** (3) This capstone course is a direct follow-up to INFO 450 in which student teams will apply skills and techniques from other INFO and business courses for the purpose of implementing and delivering a computerized business information system. Pre-requisite: INFO 450 or equivalent
- INFO 499 **TUTORIAL COURSE** (2 to 3) Research in scholarly journals on information systems. May also be used for a Senior Project. Open to students only with the consent of the department chair and dean.

#### **Graduate Courses**

- INFO 700 **MANAGEMENT OF TECHNOLOGY** (2) This course examines the systems and technology involved in the production of goods and the delivery of services. The focus is on the use of information and technology to influence the design, operation and control of productive systems to enhance competitive advantages. Topics covered include analysis of current information and assessment of an organization's value discipline, strategic use of information and operations systems, and trends in information technology development. Pre-requisite: Admission to the Executive MBA program
- INFO 903 **SYSTEMS OF OPERATIONS & TECHNOLOGY** (3) Study of the issues, methods, information, and technology involved in the creation of goods and services. The focus is on the manager's influence on the design, operation, and control of productive systems. Current organizational operations' systems and technology are evaluated. Case studies are used extensively as the context for individual and team activities. Pre-requisite: All business skills and foundation skills courses

- INFO 904 **CONCEPTS OF MANAGERIAL COMP TECH** (3) Basic introduction to computer-based information system technologies. This is a foundation course required for some INFO electives.
- INFO 924 **VIRTUAL WORKPLACE MANAGEMENT** (3) (MGMT924) Examination of virtual office management. Provides a study of the movement toward virtual office environments. Participants will gain an understanding of virtual office implementation strategies and management issues using class discussion, cases, and team exercises.
- INFO 928 **DIGITAL ENTERPRISE** (3) Goals of the course are to understand the impact that E-Business has on business today, the role of IS/IT in creating and changing organizational structures along with management techniques for E-Business, to develop skills for competitive advantage in this changing environment.
- INFO 940 **ANALYSIS & DESIGN OF MIS** (3) Analysis and design of information systems for management with emphasis on current MIS environments. Pre-requisite: INFO 904 or equivalent
- INFO 943 **INFO TECHNOLOGY & PROCESS IMPROVEMENT** (3) Addresses quality and productivity as they relate to the Information Systems function. Quality and productivity are treated from a corporate, technological and IS management perspective.
- INFO 949 **HARDWARE & SOFTWARE OVERVIEW** (3) (EDWS649) Analysis of the architecture of microcomputers, workstations, and small to mid-range computers. Pre-requisite: INFO 904 or equivalent
- INFO 960 **DEVELOPMENT TECHNOLOGIES FOR WEB** (3) Tools and techniques for designing and developing quality Web pages with a concentration on the implementation of efficient and effective Web sites for personal use, small business, corporate offices, and entrepreneurial ventures. Pre-requisite: INFO 904 or equivalent
- INFO 970 **DATA COMMUNICATION & NETWORKING** (3) Digital transmission, software, error control, data link control, network architecture, LAN, distributed systems, and network design considerations are discussed. Pre-requisite: INFO 904 or equivalent
- INFO 974 **DATABASE MANAGEMENT** (3) A practitioner approach to the modeling and implementation of databases as models of enterprise activities which are implemented as self-describing integrated files. PC relational data base software will be used to implement a database model of the student's choice. Pre-requisite: INFO 904 or equivalent
- INFO 995 **TOPICS IN MIS INDIVIDUAL READING** (1 to 3) New trends, concepts and issues of MIS are examined and related to business environments.

## **(ITAL) Italian**

- ITAL 101 **ELEMENTARY ITALIAN I** (3) An introduction to basic Italian language skills through emphasizing the acquisition of high frequency vocabulary and development of cultural awareness.
- ITAL 102 **ELEMENTARY ITALIAN II** (3) A continuation of ITAL 101. Pre-requisite: ITAL 101 or equivalent
- ITAL 201 **INTERMEDIATE ITALIAN I** (3) A continuation of ITAL 102 with a particular emphasis on the development of more creative use of the language. Pre-requisite: ITAL 102 or equivalent
- ITAL 202 **INTERMEDIATE ITALIAN II** (3) This course emphasizes a communicative, culture-based approach for intermediate students of Italian continuing from Italian 201. This approach is unique as it not only teaches and assesses the four skills of reading, writing, speaking, and listening, but should help to develop a fifth skill of cultural competency. This course consists of several components and enables the learner to function in everyday situations using authentic language and culturally appropriate behavior. Pre-requisite: ITAL 201 or equivalent

## (JAPN) Japanese

- JAPN 101 **ELEMENTARY JAPANESE I** (3) An introduction to basic language skills such as reading and writing hiragana, katakana, and about 30 kanjii. Emphasizes the acquisition of high-frequency vocabulary and practical conversation.
- JAPN 102 **ELEMENTARY JAPANESE II** (3) The second semester elementary course which is a continuation of JAPN 101. Emphasizes listening and situational conversation. Pre-requisite: JAPN 101 or equivalent
- JAPN 201 **INTERMEDIATE JAPANESE I** (3) The first semester intermediate course which is a continuation of JAPN 102 with a particular emphasis on the development of more creative use of the language and culture. Pre-requisite: JAPN 102 or equivalent
- JAPN 202 **INTERMEDIATE JAPANESE II** (3) A communicative-oriented course integrating the skills of reading, writing, listening, and speaking situational, functional Japanese through the study of authentic materials. The course includes a comprehensive grammar review. Pre-requisite: JAPN 201 or equivalent

## (LATN) Latin

### Lower Division Courses

- LATN 101 **ELEMENTARY LATIN I** (3) The ancient Latin language. Syntax, vocabulary, and morphology. The skills necessary to read Latin.
- LATN 102 **ELEMENTARY LATIN II** (3) A continuation of LATN 101 with readings from simpler Latin texts.

### Upper Division Courses

- LATN 111 **INTENSIVE ELEMENTARY LATIN I** (3) An accelerated introduction and review of the ancient Latin language syntax, vocabulary, and morphology. The skills necessary to read Latin.
- LATN 112 **INTENSIVE ELEMENTARY LATIN II** (3) For students who have had six hours of college level Latin, or its equivalent. Selected, short readings from Vergil with an emphasis on intensive grammar review.
- LATN 201 **INTERMEDIATE LATIN I: PROSE** (3) For students who have had six hours of college level Latin, or its equivalent. Selected short readings from Vergil with an emphasis on intensive grammar review.
- LATN 202 **INTERMEDIATE LATIN II: POETRY** (3) For students who have had six hours of college level Latin or its equivalent. Short readings from various Latin prose authors and genres.
- LATN 211 **CICERO: ORATIONS** (3) A critical reading of selections from the Histories, the main source for the history of the Roman Republic.
- LATN 212 **VERGIL: AENEID** (3) A comprehensive, critical, and in depth reading of the Aeneid.
- LATN 231 **HORACE: ODES AND EPODES** (3) Reading and study of the majority of the shorter poems.
- LATN 232 **CATULLUS** (3) Examination and explication of his poems.
- LATN 241 **LATIN PROSE COMPOSITION** (3) Intensive grammar instruction through composition into Latin from English.
- LATN 253 **LIVY** (3) A critical reading of selections from the Histories, the main source for the history of the Roman Republic.
- LATN 263 **CAESAR** (3) Readings from the de Bello gallico and de Bello civili.
- LATN 273 **CICERO: LETTERS** (3) An examination of the society and history revealed through Cicero's private correspondence.
- LATN 283 **CICERO: ESSAYS** (3) A critical reading of the importance of Cicero's contribution to the history of philosophy through his essays.
- LATN 293 **HORACE: SATIRES AND EPISLTES** (3) Reading and study of Horace's longer poems, which wittily upbraid contemporary Roman society.

- LATN 311 **HISTORY OF ANCIENT ROME** (3) An intensive introduction to the history of Rome from the early Republican period to the rise of Christianity, relying upon a reading of primary sources.
- LATN 321 **ROMAN COMEDY** (3) Selections from Plautus and Terence with a view to their influence on Renaissance and modern comedy.
- LATN 331 **LUCRETIVS** (3) Reading and study of Horace's longer poems which wittily upbraid contemporary Roman society.
- LATN 341 **TACITUS** (3) A critical reading of selections from the *Annales*, the main source for the history of the early Roman Empire.
- LATN 351 **ROMAN SATIRE** (3) Translation and comparison of selections from the satirical works of Varro, Horace, Seneca, Persius, and Juvenal.
- LATN 361 **HISTORY OF LATIN LITERATURE** (3) A final Latin course meant to be a summation and synthesis of the achievement of Latin literature.
- LATN 397 **SPECIAL STUDY: PROSE** (3) Credit and content by arrangement.
- LATN 398 **SPECIAL STUDY: POETRY** (3) Credit and content by arrangement.
- LATN 399 **HAB CAPSTONE THESIS** (1 to 3) Credit and content by arrangement.

## (MATH) Mathematics

The Xavier University admission requirement of two units of high school mathematics is assumed for all mathematics courses. Students deficient in arithmetic and basic algebra may require remedial work before taking any college mathematics courses.

Two courses of similar content cannot be elected to fulfill a requirement in mathematics.

### Lower Division Courses

- MATH 105 **FUNDAMENTALS OF MATH** (3) Integers, rational numbers, exponents, order of operations. Functions in context, and their algebraic and graphical representation. Linear and quadratic equations. Introduction to the graphing calculator. This course does not count toward the core requirement in mathematics.
- MATH 110 **PRINCIPLES OF CONTEMPORARY MATH** (3) Patterns and problem solving in counting and calculating with integers. Operations with fractions, rationals, and irrationals. Probability and statistics. For Education majors only.
- MATH 111 **PRINCIPLES OF GEOMETRY** (3) Geometric figures and reasoning. Measurement and geometry with coordinates. Equations and inequalities, graphs of linear and nonlinear relations. Motions in geometry. For Education majors only.
- MATH 112 **SURVEY OF PROBLEM SOLVING** (3) Problem solving techniques applied to set theory, logic, numeration systems, number theory, functions, patterns, relations and matrices. History of selected mathematical ideas. Use of technology in problem solving. For Education majors only. Pre-requisite: MATH 112 or equivalent
- MATH 113 **MATHEMATICS OF FINANCE** (3) Simple and compound interest, discounting, annuities, amortization and sinking funds, stocks, bonds, insurance.
- MATH 114 **WOMEN IN MATHEMATICS** (3) MATH114 is a mathematical topics course focusing on work done by women mathematicians in areas like number theory, groups, sequences, pre-calculus concepts, and geometry. Other topics include quilting and the geometry of women in South Africa. Prerequisite: MATH 105 or equivalent.
- MATH 115 **TOPICS IN APPLIED MATHEMATICS** (3) Topics in the application of elementary mathematics to real world problems: management science, voting schemes, theory of games, population growth, other models.
- MATH 116 **ELEMENTARY STATISTICS** (3) Description of sample data. Simple probability, theoretical distributions, normal and binomial estimation. Tests of hypotheses, correlation, regression.
- MATH 120 **ELEMENTARY FUNCTIONS** (3) Graphs and properties of functions, including polynomial functions, exponential functions, logarithmic functions, inverse functions and composition of functions. Applications to real world situations using algebraic, numerical, and graphical methods.

- MATH 147 **CALCULUS FROM HISTORICAL PERSPECTIVE** (3) An overview of concepts from differential and integral calculus through excerpted readings in English translation of original texts which emphasizes connections with developments in science and philosophy.
- MATH 150 **ELEMENTS OF CALCULUS I** (3) Modeling data with polynomial functions, exponential functions, and logistic functions. Rates of change and the derivative. Application of the derivative including optimization and inflection points. The result of change and the definite integral. Pre-requisite: MATH 120 or equivalent
- MATH 151 **ELEMENTS OF CALCULUS II** (3) Modeling with trigonometric functions, functions of several variables, contour maps, partial derivatives, and optimization with and without constraints. Pre-requisite: MATH 150 or equivalent
- MATH 154 **MILESTONES IN MATHEMATICS** (3) Charts milestones in various branches of mathematics through the reading of original sources: number theory, infinity, Euclidean and non-Euclidean geometry, and algebra are all possible threads of development. Pre-requisite: MATH 120 or equivalent
- MATH 156 **GENERAL STATISTICS** (3) Descriptive statistics, probability distributions, confidence intervals, hypothesis testing, regression, correlation, Chi-square tests analysis of variance, and nonparametric tests.
- MATH 170 **CALCULUS I** (4) Limits and continuity. The derivative techniques of differentiation, and applications of the derivative. The definite integral, numerical integration, and applications of the definite integral.
- MATH 171 **CALCULUS II** (4) Transcendental functions. Techniques of integration. Elementary differential equations. Conics. Polar coordinates. Sequences and series. Pre-requisite: MATH 170
- MATH 180 **ELEMENTS OF DISCRETE MATHEMATICS** (3) Logic, set theory, relations, functions, also rhythmic thinking, mathematical induction, recursion, number systems.

#### Upper Division Courses

- MATH 200 **MATHEMATICAL LOGIC** (3) Axiomatic development of propositional calculus, functional complete sets of operators, axiomatic development of the first order function calculus, the existential operator, the algebra of logic.
- MATH 210 **ELEMENTARY LINEAR ALGEBRA** (3) Geometry of 2- and 3-dimensional space. Systems of linear equations. Matrices and matrix arithmetic. Determinants, linear transformations, eigenvalues and eigenvectors, quadratic forms. Pre-requisite: MATH 180
- MATH 220 **CALCULUS III** (4) Vectors, lines and planes. Functions of several variables, partial derivatives and applications, gradient and directional derivative. Multiple integrals, line integrals, Green's Theorem. Pre-requisite: MATH 171
- MATH 230 **DIFFERENTIAL EQUATIONS** (3) Ordinary differential equations: first order, second and higher order with constant coefficients. Numerical methods, series solutions, Laplace transforms, applications. Pre-requisite: MATH 220
- MATH 240 **LINEAR ALGEBRA** (3) Vector spaces, bases, linear transformations, change of basis. Eigenvalues and eigenvectors. Pre-requisite: MATH 210

Enrollment in the courses numbered 300 or above requires completion of MATH 210, 220, and 230 or departmental approval.

- MATH 300 **GREAT MOMENTS IN MATHEMATICS** (3) Some of the highlights in the historical development in mathematics with special attention given to the invention of non-Euclidean geometry and its importance for mathematics and Western thought.
- MATH 301 **SURVEY OF GEOMETRIES** (3) Axiom systems, models and finite geometries, convexity, transformations, Euclidean constructions, and the geometry of triangles and circles. Introduction to projective and non-Euclidean geometries.

- MATH 302 **THEORY OF NUMBERS** (3) Divisibility and primes, linear congruencies, quadratic residues and reciprocity. Diophantine equations, multiplicative functions, distribution of primes.
- MATH 310 **SURVEY OF STATISTICS** (3) Probability, central limit theorem, estimation, hypothesis testing, regression and correlation, nonparametric methods, goodness of fit, linear models.
- MATH 311 **MATHEMATICAL STATISTICS I** (3) Probability, probability distributions, characteristics of distributions, sampling, estimation.
- MATH 312 **MATHEMATICAL STATISTICS II** (3) Hypothesis testing, confidence intervals, regression, analysis of variance, nonparametric tests. Pre-requisite: MATH 311
- MATH 320 **INTRO TO OPERATIONS RESEARCH** (3) Deterministic and stochastic models, network analysis. Linear, nonlinear and integer programming. Classical optimization, inventory theory, queuing, Markov analysis.
- MATH 321 **NUMERICAL ANALYSIS** (3) (CSCI321) Measures accuracy, sources of error, function evaluation and approximation, systems of linear equations, nonlinear equations, numerical differentiation and integration, and solutions to differential equations. Pre-requisite: CSCI 170
- MATH 325 **MATHEMATICAL MODELING** (3) The synthesis, formulation and solution of various problems in applied mathematics and related fields.
- MATH 330 **GRAPH THEORY** (3) Graphs, subgraphs, trees, isomorphism, Eulerian and Hamiltonian paths, planarity, digraphs, connectivity, matrix representations, chromatic number, circularity.
- MATH 340 **ABSTRACT ALGEBRA I** (3) Groups, isomorphism, homomorphism, normal subgroups, rings, ideals, fields. Pre-requisite: MATH 240
- MATH 341 **ABSTRACT ALGEBRA II** (3) A continuation of MATH 340. Topics may include Boolean algebra, lattice theory, combinational group theory, coding theory, Galois theory, commutative rings. Pre-requisite: MATH 340
- MATH 360 **ELEMENTARY TOPOLOGY** (3) Metric spaces, topological spaces, continuity, convergence, compactness, connectedness, and separation axioms.
- MATH 370 **REAL ANALYSIS** (3) Rigorous development of calculus of functions of a single variable. The real number system, topology of the real line, continuity, uniform continuity, the derivative, the Riemann integral, sequences and series of real numbers, and uniform convergence.
- MATH 372 **APPLIED ANALYSIS** (3) Vector analysis, special functions, orthogonal sets of functions. Sturm-Liouville theory. Fourier series, integrals and transforms.
- MATH 380 **COMPLEX VARIABLES** (3) Complex numbers, analytic functions, complex integration, series representation of analytic functions, the calculus of residues.
- MATH 397 **SP READ & STUDY FOR ADV STUDENTS** (3) Cryptology - Writing and breaking of codes; monoalphabetic and polyalphabetic ciphers; enciphering matrices; public key cryptography with application to the RSA method. Codes will be placed in historical perspective by exploring the political and military contexts in which they were devised. Pre-requisite: MATH 340

## (MEDT) Medical Technology

These are Clinical courses taken on-site at various NAACLS (National Accrediting Agency for Laboratory Sciences) approved hospitals.

- MEDT 100 **MED TECH CLINICAL PROGRAM SUMMER** (12) Clinical program consisting of lectures, laboratory experience and patient contact in a hospital laboratory. Students spend a total of twelve months gaining experience as student medical technologists studying the various clinical laboratory sciences.
- MEDT 200 **MED TECH CLINICAL PROGRAM FALL** (12) Clinical program consisting of lectures, laboratory experience, and patient contact in a hospital laboratory. Stu-

dents spend a total of twelve months gaining experience as student medical technologists studying the various clinical laboratory sciences.

- MEDT 300 **MED TECH CLINICAL PROGRAM SPRING** (12) Clinical program consisting of lectures, laboratory experience and patient contact in a hospital laboratory. Students spend a total of twelve months gaining experience as student medical technologists studying the various clinical laboratory sciences.
- MEDT 450 **INTRO MED LAB SCIENCE** (0)
- MEDT 451 **INTRO TO MED LAB SCIENCE-LAB** (0)
- MEDT 453 **URINALYSIS** (3)
- MEDT 455 **CLINICAL MICROSCOPY/URINALYSIS** (3)
- MEDT 457 **CLINICAL CHEMISTRY** (3)
- MEDT 461 **HEMATOLOGY & HEMOSTASIS** (3)
- MEDT 463 **HEMATOLOGY & COAGULATION** (3)
- MEDT 465 **HEMATOLOGY** (0)
- MEDT 471 **MEDICAL MICROBIOLOGY** (7)
- MEDT 473 **CLINICAL MICROBIOLOGY** (3)
- MEDT 475 **MEDICAL BACTERIOLOGY** (3)
- MEDT 481 **SEROLOGY** (0)
- MEDT 483 **TOXICOLOGY** (3)
- MEDT 484 **LABORATORY MANAGEMENT** (2)
- MEDT 485 **MEDICAL MYCOLOGY** (3)
- MEDT 486 **RENAL FUNCTION** (4)
- MEDT 487 **IMMUNOLOGY** (3)
- MEDT 489 **DIAGNOSTIC PARASITOLOGY** (3)
- MEDT 491 **MYCOLOGY & VIROLOGY** (3)
- MEDT 493 **CLINICAL PATHOLOGY** (3)
- MEDT 495 **IMMUNOHEMATOLOGY** (3)
- MEDT 499 **IND STUDY** (3)

## (MGMT) Management

### Undergraduate Courses

- MGMT 201 **QUALITY & PRODUCT IN OPERATIONS** (3) An introduction to quality and operations topics and management science techniques. Topics include goals of service and production operations, optimization, project scheduling, simple quality tools, inventory models, simulation, and waiting line models. continual improvement of operations is stressed. Pre-requisite: MATH 156, INFO 301
- MGMT 300 **MANAGERIAL BEHAVIOR** (3) Lectures, cases, and experiential exercises are used to introduce the management functions of planning, organizing, staffing, leading and controlling.
- MGMT 301 **MANAGERIAL COMMUNICATIONS** (2) Essentials of communicating effectively in business with accent on written and oral communication skills.
- MGMT 303 **CO-OP EDUCATION/MANAGEMENT: JR** (3) An elective cooperative experience where students earn academic credit while performing approved management-related work experience. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA, departmental approval
- MGMT 309 **ORGANIZATION DESIGN & DEVELOPMENT** (3) Theory and design of organizational systems, organizational performance, culture and development. Pre-requisite: MGMT 300
- MGMT 310 **TEAMWORK & TEAM BUILDING** (3) Analysis of forces controlling group formulation and development in business and organizational work situations. Techniques for analyzing and productively managing informal groups. Pre-requisite: MGMT 300
- MGMT 314 **LEADERSHIP** (3) An analysis of various theories and approaches to leadership emphasizing team building and situational leadership. The course includes skill

- development, experiential activities, theoretical constructs, and guest speakers who are leaders in a variety of settings. Pre-requisite: MGMT 300
- MGMT 321 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (HRES330, PSYC321) Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized. Pre-requisite: MGMT 300
- MGMT 325 **INTERNATIONAL MANAGEMENT** (3) A framework for understanding human resource and cultural issues related to international management. Lectures and discussion group projects, and guest speaker visits. Pre-requisite: ECON 300, MGMT 300
- MGMT 360 **CREATIVITY & INNOVATION** (3) (ENTR360, MKTG360) Covers the framing processes and techniques individuals, groups, and organizations can use to enhance creativity and innovation. Pre-requisite: ENTR 311 or MGMT 300
- MGMT 385 **PROJECT MANAGEMENT** (3) The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects. Pre-requisite: MGMT 201, MGMT 300
- MGMT 390 **CONTEMPORARY MANAGEMENT ISSUES** (3) Analysis of recent issues facing contemporary managers. Use of supplemental business sources to analyze and forecast trends that will affect managers in the 21st century. Pre-requisite: MGMT 300
- MGMT 403 **CO-OP EDUCATION/MANAGEMENT: SR** (3) An elective cooperative experience where students earn academic credit while performing approved management-related work experience. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA, departmental approval
- MGMT 410 **QUALITY PLANNING & IMPROVEMENT** (3) A comparison of modern approaches to quality. In quality planning, product and process are developed to satisfy customers. In quality improvement, both organization-wide and process improvements are studied. Quality function deployment and management planning tools are used. Pre-requisite: STAT 200, MGMT 201
- MGMT 495 **STRATEGY FORMULATION & IMPROVEMENT** (3) Provides an opportunity to integrate business core and major related knowledge through the use of selected cases. Pre-requisite: Senior status, FINC 300, MKTG 300, MGMT 300
- MGMT 499 **TUTORIAL COURSE: SENIOR LEVEL** (3) Research in scholarly journals on a management topic of current import. Open to students only with consent of instructor.

#### **Graduate Courses**

- MGMT 744 **MOTIVATION & BEHAVIOR IN ORGANIZATIONS** (4) The focus is on the analysis of individual and group behavior to ensure the effective development of human resources within an organization. The intent is to develop practical application of behavioral science theory for solving human problems. Topics include motivation to work, perception and expectation in organizations, behavior management, the change process, team building, group functioning and leadership. The first segment of the course is the Venture Out program conducted at Joyo Outdoor Education Center in Morrow, Ohio. This overnight, weekend experience allows students to analyze and develop leadership abilities and team participation skills. The concepts explored at Venture Out are integrated into the course. Pre-requisite: Admission to the Executive MBA program
- MGMT 901 **MANAGING ORGANIZATIONAL SYSTEMS** (2) Develops an understanding of organizations as dynamic evolving systems.
- MGMT 902 **INTERPERSONAL SKILLS** (2) Developing interpersonal skills, including self-assessment, listening, business writing, oral communications, interviewing, and small group meeting proficiency.
- MGMT 903 **OPERATIONS MANAGEMENT** (2) Understand the role and methods of process improvement and teamwork in organizations. Develop skills in team development, problem resolution, facilitation, data gathering and analysis, and decision making.

- MGMT 914 **PRINCIPLES OF LEADERSHIP** (3) An overview and analysis of a variety of theories and approaches to leadership emphasizing team building and leadership lecturers. Skill building and the development of a personal theory of leadership will be emphasized. Pre-requisite: MGMT 901, MGMT 902, MGMT 903
- MGMT 922 **EXECUTIVE PRACTICES** (3) Designed to have the student distill from experience and study a personal leadership style. This style is then practiced in teams that research and discuss cultural variables affecting management in various countries. Pre-requisite: MGMT 901, MGMT 902, MGMT 903
- MGMT 924 **VIRTUAL WORKPLACE MANAGEMENT** (3) (INFO924) Examination of virtual office management. Provides a study of the movement toward virtual office environments. Participants will gain an understanding of virtual office implementation strategies and management issues using class discussion, cases, and team exercises.
- MGMT 925 **MULTINATIONAL MANAGEMENT** (3) Planning international trade, sources of information, structuring multinational firms, personnel development, communication/motivation in cross-cultural perspective. Pre-requisite: MGMT 901, MGMT 902, MGMT 903
- MGMT 941 **MANAGING NEW & GROWING VENTURE** (2) (ENTR941) Develops understanding as to why some ventures (new and/or existing) achieve their goals, grow, and attract resources while others stagnate or go bankrupt. Business simulations, interactive multimedia programs, guest speakers, and field trips will be used to accomplish course objectives. Pre-requisite: ACCT 901, FINC 901, MKTG 901
- MGMT 944 **MOTIVATION & BEHAVIOR IN ORGANIZATIONS** (3) (EDHR644, PSYC644) Role of motivation in performance within organizations, various concepts of motivation, leadership, and group interaction are studied, with emphasis on research findings. Pre-requisite: MGMT 901, MGMT 902, MGMT 903
- MGMT 946 **PERFORMANCE ASSESSMENT** (3) Examines theory of performance assessment in organizations, purpose of assessment, formal and informal methods of data collection and measurement, creation of standards of performance, judgmental processes, rater goals and motivation, and measures of error and accuracy in assessment. Includes individual, group/team organizational levels of analysis, fit of measurement systems to organizational culture and societal context in which the organization operates. Perceptions of fairness and ethical/moral issues are also covered.
- MGMT 950 **STRATEGIC QUALITY MANAGEMENT** (3) This course provides a thorough introduction to the core concepts and principles of quality management from an upper level management perspective. The quality management philosophies of Edward Deming and Joseph M. Juran are emphasized. In addition, students will investigate the contributions of other prominent individuals and examples of current practices from successful organizations. Pre-requisite: MGMT 903
- MGMT 953 **QUALITY CERTIFICATION** (3) This course covers the requirements of the different types of quality certification (ISO 9000, etc.) and the process that an organization goes through to achieve this goal. Organizations that have recently achieved certification will be used as examples. Each student will prepare a feasibility study detailing what it would take for an organization of their choice to receive an appropriate kind of quality certification. Pre-requisite: Recommended MGMT 950
- MGMT 954 **PROJECT MANAGEMENT** (3) The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects.
- MGMT 977 **MENTAL HEALTH ORGANIZATION SYSTEMS** (2) This course is designed to expose students to the responsibilities of management in directing the activities of mental health organizations. Its goal is to provide an understanding of the primary models and theories used in managing organizations and to assist students in preparing a response to an RFP for managed mental health services.
- MGMT 995 **INDIVIDUAL READING & RESEARCH** (1 to 3) Open to especially qualified students with the consent of the chair of the department and the dean.

# (MILS) Military Science

## Lower Division Courses

- MILS 101 **FOUNDATIONS OF OFFICERSHIP** (1) Detailed examination of the unique duties and responsibilities of the Commissioned Army Officer. Includes discussion of the organization and role of the Army, a review of basic life skills pertaining to fitness and communications and an analysis of Army values and expected ethical behavior and an introduction to leadership.
- MILS 102 **FRESHMAN LEADERSHIP LAB I** (1) Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills.
- MILS 103 **BASIC LEADERSHIP** (2) Presents fundamental leadership concepts and doctrine. Opportunities to practice basic skills that underlie effective problem solving and apply active listening and feedback skills. Examine the officer experience and those factors that influence leader and group effectiveness.
- MILS 104 **FRESHMAN LEADERSHIP LAB II** (1) Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills.
- MILS 201 **INDIVIDUAL LEADERSHIP STUDIES** (3) Develops knowledge of self, self-confidence and individual leadership skills. Develops problem solving and critical thinking skills. Opportunities to apply communication, feedback and conflict resolution skills.
- MILS 202 **SOPHOMORE LEADERSHIP LAB I** (1) Functions and responsibilities of junior Noncommissioned Officers with particular attention devoted to the continued development of leadership potential. Drill and ceremony, map reading, physical training, leadership reaction, and practical field experiences are stressed.
- MILS 203 **LEADERSHIP AND TEAMWORK** (3) Focuses on self-development guided by knowledge of self and group processes. Challenges current beliefs, knowledge and skills. Develops individual leadership skills through practice exercises.
- MILS 204 **SOPHOMORE LEADERSHIP LAB II** (1) Functions and responsibilities of junior Noncommissioned Officers with particular attention devoted to the continued development of leadership potential. Drill and ceremony, map reading, physical training, leadership reaction, and practical field experiences are stressed.
- MILS 299 **ROTC LEADERSHIP CAMP** (4) If eligible, students may apply to the chair. Six weeks of paid summer ROTC training at Fort Knox, Kentucky. Camp graduates are eligible to enter the ROTC advance course.

## Upper Division Courses

- MILS 301 **LEADERSHIP AND PROBLEM SOLVING** (3) Examines basic skills that underlie effective problem solving. Analyze the role officers played in the transition of the Army from Vietnam to the 21st century. Review the features and execution of the Leadership Development Program. Analyze military missions and plan military operations. Execute squad battle drills and squad tactics.
- MILS 302 **JUNIOR LEADERSHIP LAB I** (1) Designed to develop leadership potential by participation in the planning and conducting of training, development of personnel management skills and by emphasizing the functions, duties, and responsibilities of Commissioned Officers and Noncommissioned Officers. Physical training and preparation for the summer advance camp are emphasized.
- MILS 303 **LEADERSHIP AND ETHICS** (3) Probes leader responsibilities that foster an ethical command climate. Develops cadet leadership competencies and prepares them for success at the National Advanced Leadership Camp. Recognize leader responsibilities to accommodate subordinate spiritual needs. Apply principles and techniques of effective written and oral communications.
- MILS 304 **JUNIOR LEADERSHIP LAB II** (1) Designed to develop leadership potential by participation in the planning and conducting of training, development of personnel

- management skills and by emphasizing the functions, duties and responsibilities of Commissioned Officers and Noncommissioned Officers. Physical training and preparation for the summer advance camp are emphasized.
- MILS 399 **ARMY ROTC ADVANCED CAMP** (4) This training is conducted at Fort Lewis, Washington and normally takes place in the summer following the junior year. This internship is five weeks in duration and oriented on the execution of Advanced Military Tactics, Cadet Leadership ability, and physical endurance.
- MILS 401 **LEADERSHIP AND MANAGEMENT** (2) Builds on National Advanced Leadership Camp experience to solve organizational and staff problems. Discuss staff organization, functions, and processes. Analyze counseling responsibilities and methods. Examine principles of subordinate motivation and organizational change. Apply leadership and problem solving principles to a complex case study.
- MILS 402 **SENIOR LEADERSHIP LAB I** (1) Emphasizes the functions, duties and responsibilities of junior Army Officers with special attention directed toward developing advanced leadership potential, personal communications (oral and written) skills and through active participation in the planning and conduct of training.
- MILS 403 **OFFICERSHIP** (2) Capstone course designed to explore topics relevant to second lieutenants entering the Army. Describe legal aspects of decision-making and leadership. Analyze Army organization for operations from tactical to strategic level. Assess administrative and logistics management functions. Discuss reporting and PCS process. Perform platoon leader actions. Examine leader responsibilities that foster an ethical command climate.
- MILS 404 **SENIOR LEADERSHIP LAB II** (1) Emphasizes the functions, duties, and responsibilities of junior Army Officers with special attention directed toward developing advanced leadership potential, personal communications (oral and written) skills and through active participation in the planning and conduct of training.
- MILS 499 **DIRECTED STUDY** (1 to 3) Open to especially qualified students with the consent of the department chair.

## (MKTG) Marketing

### Undergraduate Courses

- MKTG 300 **PRINCIPLES OF MARKETING** (3) Marketing concepts, functions, institutions, and policies. Marketing's role in society. This is a pre-requisite for upper division courses unless waived by department chair.
- MKTG 302 **MARKETING RESEARCH** (3) Marketing research, methodologies, and managerial utilization of research findings. Pre-requisite: STAT 200, MKTG 300 (Grade "C" or better)
- MKTG 303 **CO-OP EDUCATION/MARKETING: JR** (3 to 6) An elective cooperative experience where students earn academic credit while performing approved marketing-related work. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA, departmental approval
- MKTG 310 **BUSINESS TO BUSINESS MARKETING** (3) Dynamics of marketing from a business to a business. Buyer behavior and market structure are analyzed in the context of the 4Ps. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 320 **INTERNATIONAL MARKETING** (3) Conditions peculiar to international marketing of goods and services and their effects on marketing strategy. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 325 **MARKETING SERVICES** (3) The marketing of services will be explored with special emphasis on how they differ from packaged and industrial goods. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 328 **DIRECT MARKETING** (3) Direct marketing as a tool, its strategies, techniques and measurement systems are studied. Pre-requisite: MKTG 300 (Grade "C" or better)

- MKTG 330 **RETAILING MARKETING** (3) Fundamental principles and policy considerations for the successful management of modern-day retailing organizations. Case study. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 350 **ADVERTISING** (3) Creative and institutional aspects of advertising and their relationship to market and product attributes. Effects of legal and social environment. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 351 **SALES PROMOTION** (3) The use of sales promotions as promotional tools are examined. The development, implementation and budgeting of sales promotions are studied. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 355 **PRODUCT DEVELOPMENT** (3) Focuses on new products as a major source of corporate growth. Included are such topics as: identification of new business opportunities; the stages of new product development; risk assessment and reduction. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 357 **INTERNET MARKETING** (3) This course will explore the basics of web design, online marketing and e-commerce. Students will apply the principles with web-based assignments. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 360 **CREATIVITY & INNOVATION** (3) (ENTR360, MGMT360) Covers the framing processes and techniques individuals, groups, and organizations can use to enhance creativity and innovation. Pre-requisite: ENTR 311 or MGMT 300 (Grade "C" or better)
- MKTG 361 **PROFESSIONAL SELLING** (3) Dynamics of selling and techniques of persuasive leadership. Explores selling as a profession through multiple channels. Relationship selling and customer relationship management. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 370 **CONSUMER BEHAVIOR** (3) Marketing strategy implications of consumer behavior. Anthropology, economics, psychology, sociology, and the consumer. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 390 **ETHICAL ISSUES IN MARKETING** (3) Current developments in consumerism and consumer protection. Ecology, social responsibility, and ethical issues. Governmental roles. Pre-requisite: MKTG 300 (Grade "C" or better)
- MKTG 399 **TUTORIAL IN MKTG: JUNIOR LEVEL** (2 to 3) Research, meeting, and attendance at scheduled lectures as determined by the advisor. Pre-requisite: Permission of the chair and dean
- MKTG 400 **MARKETING MANAGEMENT** (3) Marketing planning. The coordination of all aspects of marketing in a case-based format. Pre-requisite: ACCT 200, FINC 300, six hours of upper division marketing courses (including at least 3 hours of MKTG 310, 325 or 370)
- MKTG 403 **CO-OP EDUCATION/MARKETING: SR** (3 to 6) An elective cooperative experience where students earn academic credit while performing approved marketing-related work experience. Pre-requisite: MGMT 301, 55 credit hours completed, 2.75 GPA, departmental approval
- MKTG 491 **MARKETING PRACTICUM** (3) Designed for undergraduate students participating in non-paid internships, the goals and objectives of these internships and course approval are the responsibility of the chair.
- MKTG 495 **MARKETING PLANNING & ANALYSIS** (3) Developing and applying marketing strategy in a simulated business environment. Pre-requisite: MKTG 400 (grade "C" or better)
- MKTG 499 **TUTORIAL IN MKTG: SENIOR LEVEL** (2 to 3) Research, meeting, and attendance at scheduled lectures as determined by the advisor. Pre-requisite: permission of the chair and dean

#### Graduate Courses

- MKTG 700 **MARKETING STRATEGY** (4) This course provides grounding in marketing, emphasizing marketing strategy formulation and implementation in light of the organization's objectives. There is an emphasis on using analytical approaches to make marketing decisions. Pre-requisite: Admission to the Executive MBA program

- MKTG 801 **MARKETING CONCEPTS** (2) Principles of marketing; concepts, functions, institutions, and policies.
- MKTG 901 **MARKETING STRATEGY** (3) The strategic planning process as it applies to marketing management, current literature and techniques. Pre-requisite: All business skills and required foundations skills courses
- MKTG 902 **MARKETING RESEARCH** (3) (PSYC 553) Methods and techniques of marketing research; its use as a tool of management; cases in marketing research. Pre-requisite: MKTG 901
- MKTG 921 **ENTREPRENEURIAL MARKETING** (2) (ENTR921) Understand the challenges and acquire the skills and information needed to maximize marketing results with minimal marketing resources.
- MKTG 926 **MULTINATIONAL MARKETING** (3) Product decisions, pricing decisions, and channel decisions in the world market environment. Stresses cultural differences. Pre-requisite: MKTG 901
- MKTG 928 **DIRECT MARKETING** (3) The use of direct marketing as a powerful business to business and consumer marketing tool is explored. Pre-requisite: MKTG 901
- MKTG 929 **INTEGRATED MARKETING CONCEPTS** (3) A study of integrated marketing communications planning, strategies and procedures and the current rules that govern the dynamics of marketing to today's business and consumer marketplaces. Emphasis is on the application of integrated direct marketing to increase sales by synchronizing advertising, direct mail, telemarketing and field sales. Pre-requisite: MKTG 801
- MKTG 930 **SERVICE MARKETING** (3) The principles, practice, and scope of service marketing are explored. Pre-requisite: MKTG 901
- MKTG 932 **E-COMMERCE** (3) The Internet offers new business opportunities as it changes the way a firm can interact with its employees, partners, and customers. The Internet is one of the most exciting and dynamic areas in business and society. Our task is to jointly investigate how these explosive new capabilities can be used in the primary area of business which communicates with customers - Marketing!
- MKTG 957 **ADV ISSUES TECH BASED MKTG** (3) This course will explore a wide range of Internet-related topics including strategic planning, technology trends, legal issues and the application of permission-based on-line marketing. Students will be asked to complete an on-line business project that applies these concepts. Pre-requisite: MKTG 901
- MKTG 960 **SELLING & SALES MANAGEMENT** (3) Explore dimensions of selling as a marketing function and the application of theories of management to the selling function within organizations. Pre-requisite: MKTG 901
- MKTG 961 **MARKETING MANAGEMENT** (3) Application of marketing concepts and theory to actual situations via case method. Individual reports and presentations. Pre-requisite: MKTG 901
- MKTG 963 **BUSINESS TO BUSINESS MARKETING** (3) Problems of marketing industrial products. Management of the marketing channels and pricing, selling, and distribution of the products. Pre-requisite: MKTG 901
- MKTG 964 **CONSUMER BEHAVIOR THEORY** (3) Evaluation of research findings from behavioral sciences and other disciplines. Relationship to marketing. Pre-requisite: MKTG 901
- MKTG 965 **ADVERTISING THEORY & PRACTICE** (3) The role of advertising in the marketing process. The advertising campaign, its creative and media components. The decision processes. Pre-requisite: MKTG 901
- MKTG 967 **INTERNATIONAL SALES & NEGOTIATIONS** (3) Examines the sales and negotiations processes in an international environment. Topics include networking, prospecting, communication skills, and other areas that influence strategic design. Pre-requisite: MKTG 901
- MKTG 968 **PRODUCT PLANNING & DEVELOPMENT** (3) The entire process of new product development from idea generation to commercialization is developed. Pre-requisite: MKTG 901

- MKTG 970 **ETHICAL ISSUES IN MARKETING** (3) Current developments in marketing as related to social issues: consumerism, social responsibility, ethical issues, and governmental roles. Pre-requisite: MKTG 901
- MKTG 995 **INDIVIDUAL READINGS & RESEARCH** (2 to 3) Open to especially qualified students with the consent of the chair of the appropriate department and dean.

## (MUSC) Music

### Lower Division Courses

- MUSC 100 **BASIC MUSIC THEORY** (2) Introduction to the rudiments of music theory for non-music majors including basic theoretical aspects of music such as notation of pitch, rhythm, scales, etc. Also emphasizes relationship between theoretical concepts and musical context. Credits may not be applied toward a music major.
- MUSC 101 **BASIC JAZZ PREPARATION** (2) The preliminary study of basic jazz theory and practices as well as the analysis, study and exercise of scales, chords, and harmonic usage.
- MUSC 110 **WORLD MUSIC** (3) Comparative study of music from four continents with emphasis on Africa, Latin America, South East Asia and Eastern Europe.
- MUSC 111 **MUSIC: THE ART OF LISTENING** (3) Music Appreciation course which provides information to enable the student to listen more perceptively and to better understand the various elements and aspects of music.
- MUSC 112 **MUSIC: NOW!** (3) Covers the wide variety of music experienced in today's world including the rich heritage of music from the past as well as music from the contemporary American musical scene.
- MUSC 113 **MUSIC & HUMAN EXPERIENCE** (3) Introduction to major works of Music Literature focusing on shared human experiences and their interpretation in music.
- MUSC 114 **JAZZ: AMERICAN CREATIVE MUSIC** (3) Study of the trends and styles, innovators and influential pioneers, and the evolution of the Jazz idiom in the 20th century.
- MUSC 115 **AFRICAN-AMERICAN MUSIC** (3) Survey of Black music styles from the 17th to 20th century; emphasis on African roots of this tradition and historical and sociocultural contexts that give birth to a Black music tradition.
- MUSC 116 **WOMEN IN MUSIC** (3) Historical survey of music by or involving women from medieval period to the present. Emphasis on women composers, but includes women as performers, teachers, patrons, and in the jazz and pop fields.
- MUSC 120 **FUNDAMENTALS OF SCHOOL MUSIC** (2) For classroom teachers. Basic methods and materials for early and middle childhood grades.
- MUSC 154 **DANCE AND MOVEMENT I** (1) Technical aspects of dance through medium of theatrical dance movement. Ideas and movement problems explored through rhythmic, stretching and body strengthening activities. Students with no dance exposure can participate to improve body coordination and natural aptitudes for dance.
- MUSC 155 **DANCE AND MOVEMENT II** (1) Technical aspects of dance through medium of theatrical dance movement. Ideas and movement problems explored through rhythmic, stretching and body strengthening activities. Students with no dance exposure can participate to improve body coordination and natural aptitudes for dance.
- MUSC 156 **ADVANCED DANCE AND MOVEMENT I** (1) Continuation of MUSC 154/155.
- MUSC 157 **ADVANCED DANCE AND MOVEMENT II** (1) Continuation of MUSC 154/155.
- MUSC 158 **BALLET I** (1) Ballet techniques presented and practiced. An introduction to the fundamentals of ballet technique and body mechanics that govern ballet's classical foundation. Designed to establish groundwork for developing proper working patterns, in placement, turnout, breathing and balance.

MUSC 159 **BALLET II** (1) This course is a continuation of Ballet I (MUSC 158). This discipline challenges the body and the mind. The execution of ballet technique provides exercises, improves posture and promotes grace and coordination. Learning the joy of movement and the appreciation of aesthetic beauty will be emphasized.

#### Upper Division Courses

MUSC 200 **THEORY I** (3) Study of elements of musical organization; four-part harmonization and analysis.

MUSC 201 **SIGHTSINGING & DICTATION I** (1) Course is designed to develop the ability to read at sight diatonic progressions, and to identify and notate intervals, scale degrees, tonal relationships and simple rhythms. The course utilizes computer assisted drills.

MUSC 202 **THEORY II** (3) Continuation of MUSC 200. Pre-requisite: MUSC 200 or permission of instructor

MUSC 203 **SIGHTSINGING & DICTATION II** (1) This course is a continuation of MUSC 201.

MUSC 204 **JAZZ THEORY I** (2) The advanced study of Jazz styles and techniques in both writing and improvisation with emphasis on analysis, form, history and repertoire. Pre-requisite: MUSC 101, MUSC 206, MUSC 306

MUSC 205 **JAZZ THEORY II** (2) Continuation of MUSC 204.

MUSC 206 **TECHNIQUES OF JAZZ IMPROVISATION** (2) The presentation, examination, practice and exercise of techniques and methods utilized and applied in the execution and performance of improvisational jazz. Includes a summary of theory, form and styles.

MUSC 210 **MUSIC HISTORY & LITERATURE I** (3) This course traces the path of Western music history and literature from antiquity through the end of the Renaissance period. The primary biographical facts for composers, a review of their works, aural identification of works and the social/historical circumstances of each era.

MUSC 211 **MUSIC HISTORY & LITERATURE II** (3) This course traces the path of Western music history from the Baroque through the beginning of the Romantic era with Beethoven's middle and late works. The primary biographical facts for composers, a review of their works, aural identification of works and the social/historical circumstances of each era.

MUSC 221 **MUSIC METHODS FOR EARLY & MIDDLE CH** (2) See music 121. For music majors or with permission of instructor.

MUSC 230 **LITURGICAL MUSIC IN AMERICAN CATHOLIC CULTURE** (3) This course will investigate the role of music from liturgical, theological and musical perspectives and the current influences of popular Catholic culture.

MUSC 252 **ADVANCED CLASS GUITAR** (1) Group instruction in guitar techniques for the more experienced guitar student.

MUSC 272 **OPERA WORKSHOP** (1) An introduction to operatic performance including body movement, vocal and dramatic projection, audition procedures, and the musical and dramatic preparation and performance of operatic repertoire. Pre-requisite: Permission of instructor

MUSC 279 **INDEPENDENT STUDY** (1) Areas of study related to the music field, although not specifically included in the catalog, may be requested by the student and elected with the approval of the instructor and permission of the chair.

MUSC 300 **THEORY III** (3) Continuation of MUSC 202; special emphasis on harmonic developments during the Romantic period (chromaticism, altered chords).

MUSC 301 **SIGHTSINGING & DICTATION III** (1) Advanced sightsinging and eartraining material including sightsinging examples from the standard literature, four part harmonic dictation, and more complex examples of melodic and rhythmic dictation.

MUSC 302 **THEORY IV** (3) Continuation of MUSC 300. Basic compositional techniques and analysis; twentieth-century harmonic vocabulary.

MUSC 303 **SIGHTSINGING & DICTATION IV** (1) Continuation of MUSC 301.

- MUSC 304 **PRODUCING ELECTRONIC MUSIC I** (3) (MUSC604) Introduction to hardware and software related to electronic music production, with a focus on music sequencing, digital recording and printing.
- MUSC 305 **PRODUCING ELECTRONIC MUSIC II** (3) (MUSC605) Continuation of MUSC 304. Advanced studies in computer based composition, orchestration and synchronization of studio hardware/software for commercial music applications. Additional skills will be developed in computer music engraving, digital mixing and editing and master recording production.
- MUSC 306 **TECH OF JAZZ WRITING & ARRANGING** (2) The presentation, examination, practice and exercise of techniques and methods applied in the organization and creation of jazz writing and arranging. Pre-requisite: MUSC 101 or equivalent
- MUSC 307 **JAZZ IMPROVISATION WORKSHOP** (2) An in-depth application of jazz improvisation styles to the live performance situation with an emphasis on accumulated repertoire. Pre-requisite: MUSC 101, MUSC 206 or equivalent
- MUSC 310 **MUSIC HISTORY & LITERATURE III** (3) This course traces the path of Western music history from the Romantic era (post Beethoven's works) to the end of the twentieth century. The primary biographical facts for composers, a review of their works, aural identification of works and the social/historical circumstances of each era.
- MUSC 311 **MUSIC HISTORY & LITERATURE IV** (3)
- MUSC 320 **METHODS FOR ADOLESCENTS & YOUNG ADULTS I** (3) Overview of role, and responsibility of music teacher. Vocal, instrumental, and general music education. (For music majors only)
- MUSC 321 **METHODS FOR ADOLESCENTS & YOUNG ADULTS II** (3) Emphasis on instrumental and choral methods and materials. Practical guide for the music educator. Pre-requisite: MUSC 320
- MUSC 322 **TEACHING MUSIC WITH TECHNOLOGY** (2) (MUSC522) Using the latest music writing computer programs and innovative technological advances in the development of music study and production.
- MUSC 328 **CHILDREN'S CHORAL & VOCAL WKSHOP** (1 to 2) (MUSC628) A workshop for directors of children's or youth choirs to aid in teaching children the basics of vocal and choral technique while working with the Greater Cincinnati Children's Choir and its director.
- MUSC 330 **MUSIC FOR THE LITURGY** (3) Survey of sacred music appropriate for liturgical celebrations throughout the church year.
- MUSC 331 **CHURCH SERVICE PLAYING** (1) A practical course in hymn playing and the accompaniment of psalmody and other liturgical songs.
- MUSC 332 **INTRO TO ORGAN IMPROVISATION** (1) Basic concepts and techniques of organ improvisation. Includes stylistic approaches from the Baroque to the present.
- MUSC 340 **OPERA WORKSHOP** (1 to 3) An introduction to operatic performance including body movement, vocal and dramatic projection, audition procedures, and the musical and dramatic preparation and performance of operatic repertoire. Pre-requisite: Permission of instructor
- MUSC 341 **OPERA WORKSHOP II** (1 to 3) Continuation of MUSC 340.
- MUSC 350 **FUNCTIONAL PIANO** (2) Development of basic skills needed for playing accompaniments and harmonizations at the keyboard. Designed for students who wish to teach school music. Pre-requisite: Permission of instructor
- MUSC 380 **MAKING SIMPLE MUSICAL INSTRUMENTS: K-8** (2) (EDWS355, EDWS535) Hands-on workshop building and playing simple musical instruments. No musical or technical skills are required. Designed for the general kindergarten to 8th grade classroom teacher. Along with musical activities creative ways of teaching math, science, history, the visual arts, and multi-cultural awareness will be explored.
- MUSC 399 **INDEPENDENT STUDY** (1 to 3) Areas of study related to the music field, although not specifically included in the catalog, may be requested by the student and elected with the approval of the instructor and permission of the chair.

- MUSC 400 **FORM AND ANALYSIS** (3) Intensive study of larger musical forms; works selected from representative works of instrumental and vocal music literature. Pre-requisite: MUSC 302
- MUSC 401 **ORCHESTRATION ARRANGING** (3) The technique of scoring for orchestra, band, and diverse instrumental ensembles. Pre-requisite: MUSC 302 or equivalent
- MUSC 402 **COMPOSITION** (3) Introduction to creative writing in simple musical forms. Pre-requisite: MUSC 400 or equivalent
- MUSC 403 **COUNTERPOINT** (3) Advanced course of contrapuntal writing in the style of eighteenth-century composers. Emphasis on chorale prelude and fugue.
- MUSC 410 **SONG LITERATURE** (3) Survey of vocal repertoire from the preclassical to the present; course also includes discussion of style and performance technique.
- MUSC 411 **STUDIES IN MUSIC LITERATURE** (3) Survey of development and repertoire of vocal, choral, or instrumental literature. Topics vary with need of curriculum design. Pre-requisite: MUSC 210, MUSC 211, MUSC 310
- MUSC 412 **STUDIES IN MUSIC HISTORY** (3) In-depth study of specific eras in the history of music or of major composers and their work. Pre-requisite: MUSC 210, MUSC 211, MUSC 310
- MUSC 420 **CONDUCTING I** (3) Fundamentals of conducting. Basic techniques, and study of shorter choral and instrumental works. Pre-requisite: MUSC 202 Co-requisite: MUSC 260
- MUSC 421 **CONDUCTING II** (3) Continuation of MUSC 420. Study of more complex examples from instrumental and choral literature. Co-requisite: MUSC 260
- MUSC 422 **ADVANCED CONDUCTING I** (3) A more advanced and in-depth study of MUSC 420.
- MUSC 423 **ADVANCED CONDUCTING II** (3) A more advanced and in-depth study of MUSC 421.
- MUSC 424 **PIANO PEDAGOGY** (2) Principles of teaching piano; survey of teaching materials.
- MUSC 425 **VOICE PEDAGOGY** (3) A concise dialogue and practicum concerning the teaching of singing, i.e. vocal technique and vocal styles.
- MUSC 426 **FOUNDATIONS OF MUSIC EDUCATION** (3) (MUSC626) A comprehensive study of Music Education: history, philosophy, theory, and practical application.
- MUSC 427 **CONTEMPORARY APPROACHES IN MUSIC ED** (3) (MUSC627) Introduction to Orff and Kodaly methodology; curricular innovations for all levels of school music, Pre-K - 12.
- MUSC 479 **INDEPENDENT STUDY** (1 to 3) Areas of study related to music field, although not specifically included in the catalog, may be requested by the students and elected with the approval of the instructor and permission of chair.

#### **Graduate Courses**

- MUSC 522 **TEACHING MUSIC WITH TECHNOLOGY** (2) (MUSC322) Using the latest music writing computer programs and innovative technological advances in the development of music study and production.
- MUSC 604 **PRODUCING ELECTRONIC MUSIC I** (3) (MUSC304) Introduction to hardware and software related to electronic music production, with a focus on music sequencing, digital recording and printing.
- MUSC 605 **PRODUCING ELECTRONIC MUSIC II** (3) (MUSC305) Continuation of MUSC 604. Advanced studies in computer based composition, orchestration, and synchronization of studio hardware/software for commercial music applications. Additional skills will be developed in computer music engraving, digital mixing and editing and master recording production.
- MUSC 626 **FOUNDATIONS OF MUSIC EDUCATION** (3) (MUSC426) A comprehensive study of Music Education: history, philosophy, theory, and practical application.
- MUSC 627 **CONTEMPORARY APPROACHES IN MUSIC ED** (3) (MUSC427) Introduction to Orff and Kodaly methodology; curricular innovations for all levels of school music, Pre-K - 12.

- MUSC 628 **CHILDREN’S CHORAL & VOCAL WORKSHOP** (1 to 2) (MUSC328) A workshop for directors of children’s or youth choirs to aid in teaching children the basics of vocal and choral technique while working with the Greater Cincinnati Children’s Choir and its director.

### **Instrumental Techniques**

The following four courses provide an understanding of techniques and teaching strategies of the various families of instruments. Designed for those interested in teaching music, they will lead toward basic performance competence and pedagogy.

- MUSC 351 **STRING TECHNIQUES** (1) Provides an understanding of techniques and teaching strategies of string instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy.
- MUSC 352 **WOODWIND TECHNIQUES** (1) Provides an understanding of techniques and teaching strategies of woodwind instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy.
- MUSC 353 **BRASS TECHNIQUES** (1) Provides an understanding of techniques and teaching strategies of brass instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy.
- MUSC 354 **PERCUSSION TECHNIQUES** (1) Provides an understanding of techniques and teaching strategies of percussion instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy.

### **Applied Music**

The Department of Music offers private instruction in the instruments or instrumental areas listed below.

#### **PRIVATE LESSONS (1)**

- MUSC 280 **PRIVATE LESSON: PIANO** (1)
- MUSC 281 **PRIVATE LESSON: ORGAN** (1)
- MUSC 282 **PRIVATE LESSON: VOICE** (1)
- MUSC 283 **PRIVATE LESSON: GUITAR** (1)
- MUSC 284 **PRIVATE LESSON: VIOLIN** (1)
- MUSC 285 **PRIVATE LESSON: VIOLA** (1)
- MUSC 286 **PRIVATE LESSON: CELLO** (1)
- MUSC 287 **PRIVATE LESSON: DOUBLE BASS** (1)
- MUSC 288 **PRIVATE LESSON: FLUTE** (1)
- MUSC 289 **PRIVATE LESSON: OBOE** (1)
- MUSC 290 **PRIVATE LESSON: CLARINET** (1)
- MUSC 291 **PRIVATE LESSON: SAXOPHONE** (1)
- MUSC 292 **PRIVATE LESSON: BASSOON** (1)
- MUSC 293 **PRIVATE LESSON: FRENCH HORN** (1)
- MUSC 294 **PRIVATE LESSON: TRUMPET** (1)
- MUSC 295 **PRIVATE LESSON: TROMBONE** (1)
- MUSC 296 **PRIVATE LESSON: TUBA** (1)
- MUSC 297 **PRIVATE LESSON: PERCUSSION** (1)
- MUSC 298 **PRIVATE LESSON: JAZZ VOICE/INST** (1)
- MUSC 299 **PRIVATE LESSON: HARP** (1)

#### **GROUP INSTRUCTION**

- MUSC 150 **CLASS PIANO** (1) Group instruction in basic piano techniques.
- MUSC 151 **CLASS VOICE** (1) Group instruction in the basic techniques of voice production.
- MUSC 152 **CLASS GUITAR** (1) Group instruction in the basic guitar techniques.

### Ensembles

- MUSC 260 **CONCERT CHOIR** (1) Chorus of mixed voices. Performance of choral compositions from the Renaissance to the present. Participation with consent of director. Credit or noncredit.
- MUSC 261 **UNIVERSITY SINGERS** (1) Study and performance of choreographed choral repertoire for mixed voices, including selections from musical theater, popular standards and vocal jazz.
- MUSC 262 **GOSPEL CHOIR** (1) Study and performance of gospel “standards” and contemporary gospel compositions.
- MUSC 263 **VOCAL CHAMBER ENSEMBLE** (1) This ensemble is a select group of solo voices chosen from the Concert Choir who perform vocal chamber music ranging from the Renaissance to the 20th century.
- MUSC 265 **SYMPHONIC WIND ENSEMBLE** (1) The largest of the musical ensembles, this group studies and performs a variety of repertoire, including classical and popular music. Participation with consent of director.
- MUSC 266 **CONCERT WINDS** (1) A select ensemble consisting of wind, brass, and percussion. Through the study and performance of original works from the 15th to the late 20th century, students will learn ensemble and chamber music skills.
- MUSC 267 **PERCUSSION ENSEMBLE** (1) Study and performance of standard percussion literature. Participation with consent of director.
- MUSC 268 **GUITAR ENSEMBLE** (1) Study and performance of music for guitar ensemble from all style periods. Participation with consent of director.
- MUSC 269 **CHAMBER MUSIC ENSEMBLE** (1) Small ensembles of various instrumental combinations ranging from two to five players. Performance of standard chamber music literature. Participation with consent of instructor.
- MUSC 270 **CHAMBER ORCHESTRA** (1) Study and performance of standard chamber orchestra literature for strings and other instruments. Participation with consent of director.
- MUSC 271 **JAZZ ENSEMBLE** (1) Study and performance of original compositions and traditional Jazz repertoire from the pre-bop era to the present, including contemporary Jazz-Rock-Blues-Pop Fusion transcriptions and arrangements. Participation with consent of director.

### (NEPL) Nepali

- NEPL 101 **ELEMENTARY NEPALI I** (3) An introduction to basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness. This course is **ONLY OFFERED** to participants in the Service Learning Program in Nepal and will only be offered in Nepal. Pre-requisite: Participation in the Service Learning Program in Nepal.
- NEPL 102 **ELEMENTARY NEPALI II** (3) The second semester elementary course with added emphasis on reading and speaking in the target language. This course is **ONLY OFFERED** to participants in the Service Learning Program in Nepal and will only be offered in Nepal. Pre-requisite: NEPL 101 or equivalent and participation in the Service Learning Program in Nepal.

### (NURS) Nursing

#### Undergraduate B.S.N. Courses

- NURS 130 **WAYS OF KNOWING** (3) Introduces the student to nursing as a profession and discipline. Content includes discussion of the roles of the professional nurse, the scope of practice, nursing history, professional organizations, and ethical/legal rights and responsibilities. Curricular concepts introduced include transition, critical thinking, and communication.

- NURS 132 **HEALTH AND CULTURE I** (3) Focus on culture as it relates to the universal properties of transition and health. Exploration of the impact of culture on health will begin to develop self awareness and sensitivity. Issues related to diversity will be discussed. Fulfills the Culture Diversity elective requirement.
- NURS 224 **NURS THERAPEUTICS I: ASSESSMENT** (4) Introduction of theoretical framework for assessment of clients experiencing developmental transitions. Major components for holistic assessment including physical and psychological growth and development across the life span are discussed. Components of the therapeutic relationship as they relate to the holistic assessment process are introduced. Pre-requisite: All NURS 100 courses, 2.500 GPA Co-requisite: NURS 225
- NURS 225 **NURS THERAPEUTICS I: PRACTICUM** (2) Introduction of methods of health assessment for clients across the life span. Emphasis will be on physical assessment and communication skills. Laboratory and beginning field experiences will be provided. Six hours of clinical Practicum weekly. Pre-requisite: All NURS 100 level courses Co-requisite: NURS 224
- NURS 230 **NURS THERAPEUTICS II** (4) An analysis of nursing therapeutics used with individuals experiencing transitions. Promotive, preventive, and intervenience strategies including pharmacology and nutrition are introduced. The research and theoretical basis for the selection of therapeutics is emphasized. The importance of decision making in selecting appropriate therapeutics to achieve and manage outcomes is discussed. Pre-requisite: NURS 224, NURS 225 Co-requisite: NURS 231, BIOL 200/201
- NURS 231 **NURS THERAPEUTICS II PRACTICUM** (2) Application of promotive, preventative, and intervenience nursing therapeutics to be used with individuals experiencing transitions in primary, secondary, and tertiary health care settings. Laboratory and field experiences will be provided. Six hours of clinical practicum weekly. Pre-requisite: NURS 224, NURS 225 Co-requisite: NURS 230, NURS 364
- NURS 310 **INDEPENDENT STUDY IN NURSING** (1 to 3) Opportunity to pursue a topic or project of individual interest. Subject to approval of department chair.
- NURS 320 **PROFESSIONAL DEVELOPMENT I** (3) The study of professional nursing and its education and practice as related to the individual nurse. (R.N. option)
- NURS 325 **HEALTH & CULTURE II** (3) Focuses on identified cultural groups and how culture influences the values, attitudes, and practices of an individual, family, and group as related to health and caring. Fulfills the Cultural Diversity Elective requirement. (R.N. Option)
- NURS 333 **HEALTH ASSESSMENT** (2) Health assessment skills are presented and practiced. Variations for age and culture are included. Family and mental health status assessment tools are used. Six contact hours. Course is open to non-matriculated students. Pre-requisite: R.N. Status
- NURS 360 **ADULT TRANSITIONS** (4) Focus on facilitating health outcomes in adults experiencing health-illness transitions in primary, secondary, and tertiary health care settings. Focus on fostering skill in planning, implementing, and evaluating nursing therapeutics used to facilitate health outcomes for adults. Twelve hours of clinical practicum weekly. Pre-requisite: NURS 200-all courses, NURS 364 Co-requisite: NURS 361
- NURS 361 **ADULT TRANSITIONS PRACTICUM** (4) Application of promotive, preventive, and intervenience nursing therapeutics in adults experiencing health-illness transitions in primary, secondary, and tertiary health care settings. Focus on fostering skill in planning, implementing, and evaluating nursing therapeutics used to facilitate healthy outcomes for adults. Twelve hours of clinical practicum weekly. Co-requisite: NURS 360
- NURS 364 **PATHOPHYSIOLOGY** (3) The relationship of normal body functioning to physiological changes associated with dysfunction of an organ or organ system is discussed. General concepts of disease processes are addressed in order to provide rationale for diagnosis and health illness transitions. Pre-requisite: BIOL 140-143, CHEM 151

- NURS 370 **INTRO TO NURSING RESEARCH** (3) Focus is on the analysis and utilization of nursing research literature to facilitate nursing care of individuals, families, and communities. The use of the principles and methods of research as a means for developing critical reasoning vital to professional judgement is emphasized. Pre-requisite: MATH 156 or approved statistics course
- NURS 372 **FAMILIES IN TRANSITIONS** (4) Focus on facilitating healthy outcomes for families experiencing transitions. Family transitions, developmental and situational, through the life-cycle are explored. Issues surrounding health-illness transitions in the family are also discussed. Diversity of family life related to ethnicity/culture is emphasized. Twelve hours of clinical practicum weekly. Pre-requisite: NURS 200-all courses, NURS 364
- NURS 373 **FAMILIES IN TRANSITIONS PRACTICUM** (4) Application of promotive, preventive, and intervention nursing therapeutics to be used with families experiencing transitions. Experiences are provided with families in various stages of development. Skills in assessing, planning, implementing, and evaluating nursing therapeutics for individuals and families are emphasized. Twelve hours of clinical practicum weekly. Co-requisite: NURS 372
- NURS 390 **LEADERSHIP & MANAGING CARE** (3) Relates the concepts of management to the management of nursing care. Leadership roles of the nurse in health care delivery system are explored. Pre-requisite: NURS 320, NURS 325 (R.N. Option)
- NURS 410 **STUDENT NURSE INTERNSHIP** (3) The student nurse internship program is a collaborative agreement between Xavier University and cooperating hospitals. The program is designed to provide students with additional socialization into nursing opportunities and clinical practice in either medical-surgical, critical care, obstetrics, emergency care, perioperative care or pediatrics. Following an orientation period, the student will work along with a preceptor for a 36 - 40 hour week commitment for ten weeks. The student works the preceptor's schedule.
- NURS 442 **NURSING & COMMUNITY HEALTH** (3) Focus on nursing care within the context of community macro systems. Examples of major concepts included are health policy making; aggregated, vulnerable populations; resource accessibility; epidemiology; vital statistics; and world wide concerns. Pre-requisite: (R.N. Option)
- NURS 443 **NSG PRACTICE & APPLICATION II** (2) Health care management and various nursing roles within communities of increasing complexities. Nursing strategies aimed at disease prevention, promotion and restoration of health will be applied to the management of identified community health problems. Six hours of practicum weekly. Co-requisite: NURS 442 (R.N. Option)
- NURS 460 **WOMEN'S HEALTH ISSUES** (2 to 3) A discussion of the health issues affecting women as individuals and as a group. The influence of the existing health care and social structures on women's treatment and perception of illness will be examined. (Open to non-nursing students.) Elective course.
- NURS 465 **CARE OF THE OLDER ADULT** (2 to 3) Emphasis placed on the normal aging process and the continuing development of care of the older adult. Health promotion, prevention, diagnosis and treatment, maintenance, and restoration of individuals in their later years. (Open to non-nursing students.) Elective course.
- NURS 466 **EXPRESSIONS OF HOPE** (2 to 3) Examines expressions of hope and suffering through art, music, history, and the religious values, beliefs and mysteries that surround the needs of the human spirit. Examination of the relevance of issues of faith, hope and the ethical aspects of personal responsibility in sharing in the needs of others. (Open to non-nursing students.) Elective course.
- NURS 468 **FROM ACUPUNCTURE-ZINC: PAIN MGMT** (3) Explores traditional methods of pain management and comfort measures as well as complementary modalities that can be applied to bring about a sense of wellness and calm. (Open to non-nursing students.) Elective course.
- NURS 469 **DEATH: THE UNIVERSAL EXPERIENCE** (3) Examine current and past issues related to death and dying. Explore pertinent theories on death and dying, and

- bereavement care provided to clients and families. Applicable, historical and current perceptions and rituals will be discussed, as well as ethical and spiritual issues. (Open to non-nursing majors.) Elective course.
- NURS 470 **COMMUNITY HEALTH NURSING (4)** Focuses on communities experiencing common transitions. the community as a client is emphasized. Assessment, planning, intervention, and evaluation of nursing therapeutics appropriate to community outcomes are discussed. Pre-requisite: NURS 300-all courses within level. Co-requisite: NURS 471
- NURS 471 **COMMUNITY HEALTH NURSING PRACTICUM (4)** Application of promotive, preventive, and intervenience nursing therapeutics to be used with communities experiencing transitions. Practicum experience within community based organizations is provided. Community assessment skills, accessing community resources and evaluation of policy are emphasized. Twelve hours of practicum per week. Pre-requisite: NURS 300-all courses within level. Co-requisite: NURS 470
- NURS 472 **CARE OF THE COMPLEX CLIENT (4)** This course prepares the student to integrate knowledge from all previous courses in order to assess, plan, implement and evaluate care of the complex client. The various roles of the nurse as a participant within the health care system will be examined. Introduction to health care delivery systems, resource management, and quality improvement will be explored. Pre-requisite: NURS 300-all courses within level. Co-requisite: NURS 473
- NURS 473 **CARE OF COMPLEX CLIENT PRACTICUM (4)** This course provides experiences enabling the student to participate in the care of the complex client. Management and coordination of care in various health care settings is emphasized. Twelve hours of practicum weekly. Co-requisite: NURS 472
- NURS 496 **PROFESSIONAL DEVELOPMENT II (3)** The profession of nursing is examined from a framework of history and social and political change. Standards for professional behavior and the role of professional organizations are included. Career development is discussed. Pre-requisite: Should be taken in the last semester of study (R.N. Option)
- NURS 498 **SENIOR SEMINAR (3)** Taken in the final semester, this course focuses on the student's transition to entry-level practice. An inspection of personal transitions within the practice of nursing is examined. This capstone course allows the student to explore the educational transition of the program and to anticipate the professional transition into practice. Professional responsibilities and duties are emphasized. Students will write a scholarly paper. A seminar course to be taken in the last semester. Pre-requisite: NURS 300-all courses within level, NURS 472, NURS 473

#### Graduate Courses

- NURS 501 **THEORETICAL BASES FOR NURS PRACT (3)** Introduction to the role of theory in knowledge development and its relationship to nursing research, practice, and administration. Critical analysis of selected theoretical models within the discipline of nursing and of theories and concepts from other disciplines as used in nursing. Examination of the application of models, theories and concepts in nursing practice, administration, and research.
- NURS 502 **NURSING RESEARCH (3)** Exploration of modes of inquiry for systematic study of the application, use, and evaluation of nursing innovations in clinical practice. Emphasis is placed on the identification and solution of clinical problems through scientific inquiry. Pre-requisite: Course in statistics
- NURS 503 **EPIDEMIOLOGY (3)** Principles and statistical methods used in the study of the distribution and determinants of injury and disease in human populations are presented for use in the planning, delivery, and evaluation of health services. Resources for epidemiological and biostatistical methods of reasoning for determining predictions about the distribution and determinants of injury and disease found in selected studies related to student's concentration. Pre-requisite: NURS 502
- NURS 505 **HEALTH CARE INFORMATICS (2)** An introduction to the attitudes, knowledge, strategies, and processes needed to incorporate information technology within a successful career as a clinician, administrator, educator and researcher.

- NURS 507 **RESOURCES MANAGEMENT** (2) Overview of the roles and responsibilities of the nurse in effective and efficient management of human, financial, and material resources.
- NURS 630 **ORGANIZATIONAL BEHAVIOR FOR NURSING LEADERS** (3) Administrative theory from a macro perspective including organizational structure, culture, leadership, management functions, and power. Theories and research from nursing and related disciplines will be studied. Pre-requisite: permission of instructor
- NURS 632 **MANAGEMENT PROCESSES FOR NURSING LEADERS** (3) Position of the nurse administrator within the complex organizational structure of health care systems (a micro perspective) The role of the nurse administrator in planning, decision making, and change is explored. Pre-requisite: NURS 636
- NURS 636 **FINANCIAL MGMT FOR NURSING ADMIN** (3) Fiscal accountability: cost accounting, budgeting and cost benefit and effectiveness analysis.
- NURS 660 **ADULT LEARNER IN HEALTHCARE ORG** (3) This course provides theoretical foundations and learning activities for the purpose of understanding and teaching the adult learner. This information will provide a framework for facilitating learning within the adult population and creating and managing educational programs in the healthcare environment.
- NURS 690 **HEALTH CARE POLICY & ISSUES** (2) Processes of health care policy formation at the federal, state, and local levels and within the private sector. Ethical issues of health care policy formation and implementation. Pre-requisite: Permission of instructor
- NURS 695 **SPECIAL TOPICS** (1 to 3) Individual or group in depth study of a specific topic under faculty supervision. Contract with instructor required before registration. Pre-requisite: permission of instructor
- NURS 703 **GRADUATE NURSING PRACTICUM I** (2) This course is designed for application of theory and principles from all previous courses, with particular emphasis in the area of concentration. Individually modified course objectives, supervised experiences, periodic seminar discussions, and written practicum logs are methods used to facilitate the learning experience.
- NURS 705 **GRADUATE NURSING PRACTICUM II** (2) This course is designed for application of theory and principles from all previous courses, with particular emphasis in the area of concentration. Individually modified course objectives, supervised experiences, periodic seminar discussions, and written practicum logs are methods used to facilitate the learning experience.
- NURS 797 **SCHOLARLY PROJECT** (2) A capstone course. Further development of students' skills of critical thinking, systematic inquiry, and scholarly writing. A major paper prepared for publication is expected. To be taken during the last 6-12 hours in student's program.

## **(OCTH) Occupational Therapy**

- OCTH 101/  
433 **OCCU THERAPY CONCEPTS & PRACTICE** (3) Survey of the profession of Occupational Therapy, including history, philosophy, role delineation, and an introduction to the different settings and practice specialties of occupational therapy. If space is available, is also open to non-OCTH majors who may be interested in applying to the program in the future.
- OCTH 143/  
434 **DEV PROCESS: PHYSICAL & PSYCH** (3) Human physical and psychological growth and development over the life span, including sensory, perceptual motor, cognitive, social, and psychological processes.
- OCTH 201/  
441 **HUMAN OCCUPATION OVER LIFESPAN** (3) Introduction to the models of human occupation, a foundations course which examines integral concepts such as volition, roles, habit formation, temporal adaptation, and performance components of individuals in all age groups. Pre-requisite: OCTH 101 or OCTH 433

- OCTH 302/  
442 **MEASUREMENT APPLICATION** (3) Measurement theory and concepts of standardization, reliability, validity, and standard error of measurement are used to assess routine occupational therapy methods of evaluating human occupation and functional performance. Pre-requisite: OCTH 101, OCTH 143, MATH 116
- OCTH 303/  
443 **DISABLING COND I: BIOCHEM/PSYCH** (3) Common conditions seen by OT's in clients of all age groups with psychosocial and/or biochemical disorders. Etiology, symptoms, and course of each condition are reviewed and analysis of performance components affected by each. Pre-requisite: OCTH 143, OCTH 201
- OCTH 304/  
444 **THEORY & PRACTICE I: BIOCHEM/PSYCH** (3) Theory and process used by occupational therapists in working with individuals with disabling conditions of a psychosocial or biochemical nature. Pre-requisite: OCTH 101, OCTH 143, OCTH 201 Co-requisite: OCTH 302, OCTH 303, OCTH 391
- OCTH 305/  
414 **INTRO TO CLINICAL PRACTICE** (0.50 to 2.50) Professional behaviors, attitudes, and judgements are discussed as an orientation to field work. Issues of patient confidentiality, student role, and use of supervision are covered. Pre-requisite: OCTH 101, OCTH 201
- OCTH 306/  
446 **CONTEMPORARY TECHNOLOGIES LAB** (3) Nontraditional media and contemporary rehabilitation technology are used in the occupational therapy process for evaluation and treatment activities (use of video recording, computers, environmental controls, driving simulations, etc.) Pre-requisite: OCTH 143, OCTH 201, OCTH 311
- OCTH 307/  
447 **DISABLING COND II: NEURODEV/NEURO** (3) Etiology, symptoms, and course of conditions of a neurological or neurodevelopmental nature are reviewed and analysis of human performance components affected by each. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304
- OCTH 308/  
448 **THEORY & PRACTICE II: NEURODEV/NEURO** (3) Theory and practice used by occupational therapists in working with individuals with disabling conditions of a neurological or neurodevelopmental nature. Includes three hours of lecture and three hours of lab to observe and practice clinical procedures. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304 Co-requisite: OCTH 307, OCTH 492 or OCTH 493
- OCTH 311/  
451 **THERAPEUTIC OCCUPATIONS I** (3) Activity analysis, theory and process. Includes a combination of lecture and lab for a total of four hours of lab per week, emphasizing engagement in and adaptation of individual creative-expressive and industrial activities. Pre-requisite: OCTH 101, OCTH 201
- OCTH 312/  
452 **THERAPEUTIC OCCUPATIONS II** (3) Continuation of Therapeutic Occupations I, with emphasis on activities of a large motor and verbal/social group nature. Includes one hour lecture and four hours of lab per week. Pre-requisite: OCTH 143, OCTH 201, OCTH 303, OCTH 304, OCTH 311
- OCTH 315/  
415 **LEVEL I FIELD WORK A** (1) A block of three to four hours per week is spent in clinical site. Beginning practice skills in working with those with neurodevelopmental or neurological conditions are performed under close supervision. Permission of department chair required. Pre-requisite: OCTH 143, OCTH 201 Pre-requisite or Co-requisite: OCTH 302, OCTH 303, OCTH 304, OCTH 305, OCTH 311
- OCTH 325/  
425 **LEVEL I FIELD WORK B** (1) A block of three to four hours per week is spent in clinical site. Beginning practice skills in working with those with neurodevelopmental or neurological conditions are performed under close supervision. Pass/fail grading only. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 305, OCTH 311, OCTH 315, Permission of department chair Co-requisite: OCTH 307, OCTH 308, OCTH 312
- OCTH 391/  
491 **THEORY & PRACTICE LAB I: BIOCHEM/PSYCH** (1) Demonstrations and practice with interview skills, evaluation techniques, treatment methods, as used by occupational therapists working with clients with biochemical or psychosocial dysfunction. Pass/fail grading only. Co-requisite: OCTH 304 or OCTH 444

- OCTH 401/  
461 **DISABLING COND III: BIOMECH/REHAB** (3) Etiology, symptoms, and course of disabling conditions of a biochemical nature, or those that require rehabilitation after trauma or the disease process. Analysis of human performance components affected by each. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 306, OCTH 307, OCTH 308, OCTH 325
- OCTH 402/  
462 **THEORY & PRACTICE III: BIOCHEM/REHAB** (3) Theory and process used by occupational therapists in working with individuals with disabling conditions of a biochemical nature or those that require rehabilitation after trauma, or the disease process. Includes three hours of lecture and two hours of lab to observe and practice clinical procedures. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 306, OCTH 307, OCTH 308, OCTH 325 Co-requisite: OCTH 401, OCTH 435, OCTH 494 or OCTH 495
- OCTH 403/  
463 **PROFESSIONAL ISSUES AND ETHICS** (2) An in-depth review of current professional issues in occupational therapy. Health care delivery, practice dilemmas, the role of professional associations in regulation, advocacy and political action. Pre-requisite: PHIL 329 or HESA 644, OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 305, OCTH 306, OCTH 307, OCTH 308, OCTH 311, OCTH 312, OCTH 315, OCTH 325, OCTH 401, OCTH 402, OCTH 435 Co-requisite: OCTH 406 or OCTH 446
- OCTH 404/  
464 **RESEARCH METHODS** (3) Research methodology used in the service of scientific inquiry. Critique of selected research literature in occupational therapy, analysis of methods used, finding, and interpretation of results. Pre-requisite: MATH 116, OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 305, OCTH 306, OCTH 307, OCTH 308, OCTH 311, OCTH 312, OCTH 315, OCTH 325, OCTH 401, OCTH 402, OCTH 435 Co-requisite: OCTH 417
- OCTH 406/  
466 **MGMT OF OT SERVICES** (4) Quality assurance, supervision, departmental operations (planning space, budgeting, scheduling, record keeping, safety, supply maintenance). Includes reimbursement issues and impact of current health policy. Pre-requisite or Co-requisite: OCTH 403, OCTH 404
- OCTH  
407/467  
408/468  
409/469 **LEVEL II FIELD WORK** (3) Student Interns assigned full time to clinical facilities for two required 3-month rotations. The third rotation (OCTH 409) is optional and dependent upon availability of sufficient specialty fieldwork sites. Minimum requirement of 940 hours. Permission of Department Chair is necessary. Pre-requisite: All professional core course requirements in the three-year program sequence.
- OCTH 410/  
470 **SPECIAL TOPICS** (1) Three one-credit hour special topic classes are required. Topics vary each term. Students choose a group elective or independent study in specialized area of practice in OT. Permission of Department Chair is necessary for independent study.
- OCTH 417/  
477 **RESEARCH APPLICATION LAB I** (1) Participation in the research process with clinical preceptor and/or a faculty tutor. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 305, OCTH 311, OCTH 312, OCTH 315, OCTH 306, OCTH 307, OCTH 308, OCTH 325, OCTH 401, OCTH 402, OCTH 435 Co-requisite: OCTH 404
- OCTH 418/  
478 **RESEARCH APPLICATION LAB II** (1) Continuation of OCTH 417/477 Lab I. Pre-requisite: OCTH 417 or OCTH 477
- OCTH 435/  
440 **LEVEL I FIELD WORK C** (1) A block of three to four hours per week is spent in clinical site. Practicum experience for beginning skills in working with those with disabling conditions which require rehabilitation or those of a biomechanical nature. Pre-requisite: OCTH 143, OCTH 201, OCTH 302, OCTH 303, OCTH 304, OCTH 305, OCTH 306, OCTH 307, OCTH 308, OCTH 311, OCTH 312, OCTH 315, OCTH 325, Permission of department chair Co-requisite: OCTH 401, OCTH 402
- OCTH 492/  
493 **THEORY & PRACTICE LAB II:NEURODEV/NEURO** (1) Demonstrations and practice with evaluation techniques and treatment methods used by occupational therapists working with clients with neurodevelopmental or neurological dysfunction. Pass/fail grading only. Co-requisite: OCTH 308 or OCTH 448

- OCTH 494/ **THEORY & PRACTICE LAB III:BIOMECH/REHAB** (1) Lab that correlates  
495 with Occupational Therapy Theory and Practice III: Biomechanical/Rehabilitative. Students observe and practice evaluation and treatment techniques covered in theory course. Pass/Fail grading only. Co-requisite: OCTH 402 or OCTH 462

## (PHIL) Philosophy

### Lower Division Course

- PHIL 100 **ETHICS AS INTRO TO PHILOSOPHY** (3) The goals of human life; the first principles of morality; virtue, duty, law, responsibility. Special emphasis on justice, along with some discussion of the Deontological, Utilitarian and Natural Law/Right theories that are central to contemporary treatments of practical and professional ethics.

### Upper Division Courses

- PHIL 290 **THEORY OF KNOWLEDGE** (3) The interplay between human knowledge and the world it knows, the possibility of objective knowledge, and the nature and developments of modern science as a theoretical and practical project.
- PHIL 300 **ORIGINS OF PHILOSOPHY** (3) A study of the revolution in thought which created philosophy and science in ancient Greece. Presocratic philosophers and Sophists.
- PHIL 301 **ANCIENT PHILOSOPHY** (3) A survey of Ancient Greek Philosophy, with emphasis on Plato and Aristotle.
- PHIL 302 **MEDIEVAL CHRISTIAN PHILOSOPHY** (3) A survey of the central medieval Christian philosophers from Augustine to Ockham. Pre-requisite: PHIL 100, PHIL 290
- PHIL 304 **EARLY MODERN PHILOSOPHY** (3) Seventeenth and eighteenth century philosophers; conflict of ancients and moderns; response of moderns to each other on system, nature, knowledge, method, morals.
- PHIL 305 **CONTEMPORARY PHILOSOPHY** (3) A treatment of philosophical movements and issues in the new millennium.
- PHIL 306 **20TH CENTURY CONTINENTAL PHILOS** (3) One or more of the important continental philosophical movements in the twentieth century, such as phenomenology, existentialism, Marxism, post-structuralism.
- PHIL 307 **20TH CENTURY ANALYTIC PHILOSOPHY** (3) An examination of the movements in analytic philosophy of the past century, including the rise of logical and linguistic analysis and logical positivism.
- PHIL 308 **LATE MODERN PHILOSOPHY** (3) Nineteenth century philosophers. A study of the primary sources from Hegel to Nietzsche, with emphasis on continental philosophy and the consequences of Kant's thought.
- PHIL 309 **MEDIEVAL ISLAMIC & JEWISH PHIL** (3) A survey of some of the central texts in Islamic and Jewish medieval philosophy. A major focus is the relationship between Greek philosophy (reason) and revelation (Islamic and Jewish) in the medieval period.
- PHIL 310 **EXISTENTIALISM** (3) A study of authors such as Kierkegaard, Dostoyevsky, Nietzsche, Unamundo, Jaspers, Heidegger, Sartre, Marcel, and Camus who have investigated what it means to be an existing individual.
- PHIL 311 **SYMBOLIC LOGIC** (3) The elements of propositional calculus and predicate calculus; the structure of deductive systems.
- PHIL 312 **PHILOSOPHICAL HERMENEUTICS** (3) Hermeneutics, originally a term for the art of interpreting the bible, came to mean, first the method of philology and of the human sciences (history, literature, philosophy) and finally, with Heidegger and Gadamer, the only understanding possible after metaphysics. This course examines Gadamer's Truth and Method and thinkers who contest Gadamer's theses, such as Emilio Betti, Quentin Skinner, and Leo Strauss. Pre-requisite: PHIL 100, PHIL 290

- PHIL 315 **PHILOSOPHY OF RELIGION** (3) An examination of the philosophical investigation of religion by reading classic philosophical texts on religion, particularly texts from the Enlightenment and post-Enlightenment periods.
- PHIL 317 **PHILOSOPHICAL ANTHROPOLOGY** (3) The principal philosophical topics relating to the nature of the human being, especially life, intellection, freedom, personhood, and community. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- PHIL 319 **REASON AND DESIRE** (3) A consideration of different conceptions of human desire in Classical and Modern philosophers. Among the questions to be addressed are the general relation between reason and desire, whether we can act from reason instead of from desire, and whether we can, or should, control what desires we have.
- PHIL 320 **PHILOSOPHY OF SCIENCE** (3) A study of philosophical problems arising out of the presuppositions, methods and results of the natural sciences, focusing particularly on the effectiveness of science as a means for obtaining knowledge.
- PHIL 321 **BUSINESS ETHICS** (3) Case studies of several critical issues in business, analyzed according to the contemporary context and ethical principles. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- PHIL 329 **BIOETHICS** (3) Moral issues arising in health care delivery, including social policy as well as clinical problems. Fulfills the E/RS focus elective. Pre-requisite: PHIL 100 and PHIL 290. Co-requisite: ENGL 205 and THEO 111.
- PHIL 331 **PHILOSOPHY & LITERATURE** (3) A consideration of the quarrel between philosophy and poetry, with an emphasis on the roles of reason and the passions in action.
- PHIL 333 **PHILOSOPHY OF ART & BEAUTY(AESTHETICS)** (3) Principal theories of beauty and contemplation, of art and creative intuition, of truth and symbolism of works of art.
- PHIL 334 **PHILOSOPHY OF WOMEN** (3) Application of philosophical method to a contemporary issue. Historical survey of philosophers' conceptions of woman.
- PHIL 336 **SPECULATIVE FEMINISM** (3) Applications of feminist theory to problems in metaphysics, epistemology, and philosophy of human nature.
- PHIL 340 **METAPHYSICS** (3) Metaphysics is the science that investigates what it means to be or exist. This course will examine the nature of metaphysics, and the role it has played in the history of philosophy. For majors and minors only.
- PHIL 342 **GERMAN IDEALISM** (3) This course studies the major late eighteenth and early nineteenth century German philosophers, including Fichte, Schelling, and Hegel. Kant will be presented as background to these thinkers. Major topics will include nature, freedom, and history.
- PHIL 351 **ITALIAN PHILOSOPHY** (3) The main conceptual currents in the history of Italian philosophy through representative texts. The epistemological role of the imagination as well as theories of history and politics, in such thinkers as Machiavelli, Vico, and Croce.
- PHIL 354 **PHILOSOPHY IN AMERICA** (3) A study of distinctive American philosophical movements of the Nineteenth and Twentieth Centuries.
- PHIL 362 **ANCIENT POLITICAL PHILOSOPHY** (3) A study of ancient political philosophy with emphasis on classic texts of Plato and Aristotle.
- PHIL 363 **MEDIEVAL POLITICAL PHILOSOPHY** (3) An examination of four of the principal political philosophers of the Middle Ages: namely Augustine, Thomas Aquinas, William of Ockham and Marsilius of Padua focusing on two central issues: the relation of church and state within the single entity "Christendom" and the problem of the relation of law and natural right. Pre-requisites: PHIL 100 and PHIL 290.
- PHIL 364 **MODERN POLITICAL PHILOSOPHY** (3) A study of the principal problems and texts of modern political philosophy starting from Machiavelli.
- PHIL 366 **ARISTOTLE** (3) Study of the main philosophical works of Aristotle.
- PHIL 367 **PLATO** (3) Study of the interpretation of selected dialogues of this great philosopher.

- PHIL 368 **THOMAS AQUINAS** (3) A study of Aquinas' principal philosophical texts, especially concerning the existence and nature of God, creation, the nature of the human being, and the purpose of human life.
- PHIL 371 **C. S. PEIRCE** (3) An investigation of some of Peirce's most important works in metaphysics, phenomenology, philosophy of science and theory of signs.
- PHIL 373 **WILLIAM JAMES** (3) A survey of William James' major writings including selections from his landmark work in psychology, philosophy of religion, and voluntarism. The course will conclude with an examination of his later Pragmatism and Radical Empiricism, as well as a discussion of his influence upon subsequent thought in America and Europe.
- PHIL 374 **HOBBS** (3) A study of major philosophical works of Thomas Hobbes
- PHIL 375 **KANT** (3) A study of the major philosophical works for Immanuel Kant.
- PHIL 376 **HEGEL** (3) Introduction to the philosophical system of Hegel and to post-Hegelian developments.
- PHIL 377 **SCHOPENHAUER** (3) An examination of the philosophical pessimism of Arthur Schopenhauer by reading his central work, "The World As Will and Representation," and a consideration of his powerful influence on late nineteenth and early twentieth century culture.
- PHIL 378 **VICO** (3) This course will examine several key texts in the development of Giambattista Vico's thought, culminating in the Science Nuova. Themes include Vico's method, his critique of Cartesianism, his theory of history, and his rethinking of natural law.
- PHIL 379 **NIETZSCHE** (3) An in-depth reading of several of Nietzsche's works, emphasizing his relation to the philosophical tradition as well as to the history of the twentieth century. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- PHIL 380 **HUSSERL** (3) A careful textual study of major works by Edmund Husserl.
- PHIL 381 **JOSIAH ROYCE** (3) A study and critique of the Problem of Christianity by this prophet of secular Christianity.
- PHIL 382 **JOHN STUART MILL** (3) A study of the philosophy of John Stuart Mill, the 19th century philosopher of utilitarian ethics and liberal political theory. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- PHIL 391 **HEIDEGGER** (3) Study of Heidegger's great work, Being and Time, and of his later thought.
- PHIL 395 **DIRECTED STUDY** (3) Independent study related to the field of philosophy.
- PHIL 399 **THESIS REVIEW** (0) A review of progress on the Senior Thesis, ongoing throughout the Spring term, for graduating senior majors.

## (PHYS) Physics

### Lower Division Courses

- PHYS 112 **OUR UNIVERSE: COLOR & IMAGES** (2) Fascinating introductory course on light color, mirrors, lenses, photographic film, lasers, and holograms. Co-requisite: PHYS 113
- PHYS 113 **OUR UNIVERSE: COLOR & IMAGES LAB** (1) Laboratory required to accompany PHYS 112.
- PHYS 114 **OUR UNIVERSE: PHYSICAL SCIENCE** (2) Survey of mechanics, heat, light, and atomic physics. Primarily for education majors. Satisfies science core requirement. Co-requisite: PHYS 115
- PHYS 115 **OUR UNIVERSE: PHYSICAL SCI LAB** (1) Laboratory required to accompany PHYS 114.
- PHYS 116 **OUR UNIVERSE: THE EARTH** (2) An introductory course in earth science. Co-requisite: PHYS 117
- PHYS 117 **OUR UNIVERSE: THE EARTH LAB** (1) Laboratory required to accompany PHYS 116.

- PHYS 118 **OUR UNIVERSE: THE SKY (2)** Introductory course in astronomy. Co-requisite: PHYS 119
- PHYS 119 **OUR UNIVERSE: THE SKY LAB (1)** Laboratory is required to accompany PHYS 118.
- PHYS 122 **OUR UNIVERSE: ENERGY SOURCE/USE (2)** An introductory course that surveys various forms of energy and studies practical economical applications. Co-requisite: PHYS 123
- PHYS 123 **OUR UNIVERSE: ENERGY LAB (1)** Laboratory to accompany PHYS 122.
- PHYS 124 **OUR UNIVERSE: COSMOLOGY (2)** This course will explore the historical progression of our beliefs regarding the origin and structure of the universe. Specifically, the course will present and critique cosmological models put forth by Greek philosophers, medieval theologians, and modern scientists (but with the greatest emphasis placed on modern Big Bang cosmology). One of the overall goals of the course will be to show how astronomical observations were used by each of these groups to build up their view of cosmology.
- PHYS 125 **COSMOLOGY LABORATORY (1)** (THEO426) The lab is designed to support concepts being explored in the lecture such as: motion, spectra, astronomical distances and cosmological time.
- PHYS 140 **TECHNICAL PHYSICS (2)** For occupational therapy and radiologic technology students. Motion, force laws, momentum, energy, work, power, heat, temperature, and waves.
- PHYS 141 **RADIOLOGIC PHYSICS (2)** Energy, the structure of matter, electricity, magnetism, radioactivity, and the nature and production of X-rays. Calculations in radiology. For radiologic technology students. Pre-requisite: MATH 105
- PHYS 160 **COLLEGE PHYSICS I (3)** For premedical, pre-dental, and others. Mechanics, heat, sound, electromagnetism, optics, and modern physics. Fulfills Occupational Therapy curriculum. Pre-requisite: Algebra Co-requisite: PHYS 161 laboratory
- PHYS 161 **INTRODUCTORY PHYSICS LAB I (1)** This laboratory accompanies PHYS 160 or PHYS 170 lectures.
- PHYS 162 **COLLEGE PHYSICS II (3)** For premedical, pre-dental, and others. Mechanics, heat, sound, electromagnetism, optics, and modern physics. Pre-requisite: PHYS 160 Co-requisite: PHYS 163 laboratory
- PHYS 163 **INTRODUCTORY PHYSICS LAB II (1)** This laboratory accompanies PHYS 162 or 172 lectures. Pre-requisite: PHYS 161
- PHYS 170 **UNIVERSITY PHYSICS I (3)** Calculus level course for chemistry, computer science, mathematics, applied physics, and physics majors. Mechanics, heat, sound. Co-requisite: PHYS 161
- PHYS 171 **EXPLORATIONS IN PHYSICS (1)** Laboratory for physics majors to be taken with PHYS 170.
- PHYS 172 **UNIVERSITY PHYSICS II (3)** Continuation of PHYS 170. Electromagnetism, optics, and modern physics. Co-requisite: PHYS 163

#### Upper Division Courses

- PHYS 206 **ADVANCED STUDY BASIC PHYSICS I (3)** The broad implications of the fundamental principles of general physics. Pre-requisite: General physics or equivalent
- PHYS 207 **ADVANCED STUDY BASIC PHYSICS II (3)** The broad implications of the fundamental principles of general physics. Pre-requisite: General physics or equivalent
- PHYS 242 **ELECTRONICS I (2)** A.C. and D.C. measuring instruments. Basic analog circuits including power supplies, filters, transistors, and integrated circuit amplifiers and waveform generators.
- PHYS 243 **ELECTRONICS I LAB (1)** Laboratory to accompany PHYS 242, PHYS 244 respectively.
- PHYS 244 **ELECTRONICS II (2)** Digital components and circuits, microcomputer architecture and machine language programming, interfacing circuits.

- PHYS 245 **ELECTRONICS II LAB** (1) Laboratory to accompany PHYS 242, PHYS 244 respectively.
- PHYS 330 **ATOMIC PHYSICS** (3) The atomic view of matter, electricity, and radiation; the atomic models of Rutherford and Bohr, relativity, x-rays, and introduction to quantum mechanics.
- PHYS 331 **ATOMIC PHYSICS LAB** (1) Photoelectric effect,  $e/m$  for electrons, black body radiation, vacuum techniques, ionization potentials, Bragg diffraction, atomic spectra, x-ray spectra.
- PHYS 340 **NUCLEAR PHYSICS** (3) Natural and artificial radioactivity, nuclear reactions, high-energy physics, and fundamental particles. Pre-requisite: PHYS 330
- PHYS 341 **NUCLEAR PHYSICS LAB** (1) Experiments in radioisotope techniques, nuclear particle counting, activation analysis, scattering, and reactor criticality.
- PHYS 350 **THEORETICAL MECHANICS I** (3) Statistics, equilibrium of rigid bodies, analysis of structure, friction, machines.
- PHYS 351 **THEORETICAL MECHANICS II** (3) Dynamics, kinematics of particles and rigid bodies, conservation of energy and momentum, inertial matrices.
- PHYS 360 **ELECTROMAGNETISM I** (3) Coulomb's law, Ampere's law, Faraday's law, Maxwell's electromagnetic equations in free space and material media. Course is given in vector notation.
- PHYS 361 **ELECTROMAGNETISM II** (3) Continuation of PHYS 360
- PHYS 364 **PHYSICAL OPTICS** (3) Electromagnetic wave theory is used to derive the laws of optics: reflection, refraction, diffraction, Fresnel integrals, and theory of dispersion.
- PHYS 365 **PHYSICAL OPTICS LAB** (1) Experiments in Physical Optics, including diffraction, Michelson's interferometer, multiple beam interference, polarization, fiber optics, and holography.
- PHYS 376 **QUANTUM MECHANICS I** (3) The mathematical formalism of quantum mechanics and its physical interpretation. Pre-requisite: PHYS 330
- PHYS 377 **QUANTUM MECHANICS II** (2) Continuation of PHYS 376
- PHYS 382 **THERMODYNAMICS** (3) Thermodynamic variables and processes, internal energy of a system, first and second laws of thermodynamics, Carnot cycle, entropy, and irreversibility.
- PHYS 388 **ASTROPHYSICS** (3) The applied fields of astronomy and astrophysics.
- PHYS 389 **SOLID STATE PHYSICS** (3) Topics include crystallography, specific heat, phonons, band theory, Fermi surfaces, superconductivity. Survey of structural, thermal, electrical, and magnetic properties of matter in solid state.
- PHYS 390 **SPECIAL STUDIES** (3) Area to be specified.
- PHYS 395 **PHYSICS RESEARCH** (1 to 3) Area to be specified.
- PHYS 397 **SPECIAL READINGS** (1 to 3) Area to be specified.
- PHYS 398 **PHYSICS THESIS** (1) Experimental or theoretical work completed with faculty advisor. Oral and written presentation required at conclusion.

## (POLI) Political Science

### Lower Division Courses

- POLI 120 **COMPARATIVE GOVT AND POLITICS** (3) Introduction to and comparison of political systems in several national settings.
- POLI 140 **AMERICAN GOVERNMENT AND POLITICS** (3) Introduction to the theory and practice of the American political system.

### Upper Division Courses

- POLI 211 **CINCINNATI HISTORY & POLITICS** (3) (HIST245) A political history of Cincinnati with an analysis of contemporary urban politics.
- POLI 212 **URBAN ADMIN & PUBLIC POLICIES** (3) Overview of the administration issues involved in governing and managing cities, particularly as they pertain to the policy making process.

- POLI 215 **FRENCH POLITICS** (3) Examination of government, political processes and issues in contemporary France, including relations with the U.S.
- POLI 219 **IRISH GOVERNMENT AND POLITICS** (3) Examination of Irish politics, North and South, with emphasis on changes due to socioeconomic and cultural change.
- POLI 220 **GOVT & POLITICS OF S EAST ASIA** (3) A political and geographic survey of the varied and colorful countries of East Asia, in which the technological revolution is proceeding at a fast pace.
- POLI 224 **MIDDLE EAST POLITICS** (3) (HIST224) Examination of recent history, government, political processes and issues in the contemporary Middle East, including relations with the U.S.
- POLI 229 **POLITICS OF CENTRAL AMERICA: NICARAGUA** (3) Overview of contemporary history and politics of Central America focusing on theories of revolution, development, dependency, and democracy. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- POLI 232 **POLITICS OF JAPAN** (3) Examination of recent history, government, political processes and issues in contemporary China, including relations with the U.S.
- POLI 234 **GOVERNMENT & POLITICS OF CHINA** (3) Examination of recent history, government, political processes and issues in contemporary China, including relations with the U.S.
- POLI 240 **STATE & LOCAL GOVERNMENT** (3) The structure, organization, and activities of state and local government.
- POLI 241 **GOVERNING CINCINNATI** (3) Examination of the politics and government of Cincinnati, including local campaign politics, policy decision-making, and the influences of local media.
- POLI 242 **URBAN AMERICA** (3) Historical development and demographic patterns of the city and its environs. Sociocultural and ecological perspectives used to examine urban, suburban, and rural areas.
- POLI 246 **MASS MEDIA AND POLITICS** (3) Examination of the ways in which the mass media interact with and influence political processes, including campaign politics and policy-making.
- POLI 275 **POLITICS OF WAR AND PEACE** (3) Review of major approaches to the study of war and peace.
- POLI 277 **INTERNATIONAL RELATIONS** (3) The theory of international relations, nationalism, imperialism, disarmament and arms control, diplomacy, collective security.
- POLI 301 **POLITICAL PHILOSOPHY** (3) Survey of the major Western political philosophers, including Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx and Mill.
- POLI 302 **LIBERALISM AND ITS CRITICS** (3) In-depth examination of the theory, practice, and critiques of liberalism.
- POLI 315 **ROUSSEAU'S HUMAN VISION** (3) Detailed reading and examination of the writing of Rousseau.
- POLI 325 **NAZI GERMANY** (3) The rise and fall of Adolf Hitler, the Weimar Republic, origins of the NSDAP, the seizure of power, 1933, the "coordination" of Germany, the SS and Himmler, foreign policy, the persecution and murder of the Jews.
- POLI 326 **MODERN GERMANY** (3) Germany since 1945, the division of Germany, the economic recovery, political parties, interest groups, and parliament, the election system, executive branch, and federalism. The courts and legal system, foreign policy.
- POLI 327 **POLITICS OF GERMANY** (3) Examination of German politics from the Weimar Republic to the present, including the division of Germany, economic recovery, the political system, courts and legal system, foreign policy, unification and post-unification politics, and European Union issues.
- POLI 330 **POLITICS OF CENTRAL/EASTERN EUROPE** (3) (HIST330) This course will concentrate on post, present, and future political developments in those eight

- East European countries where communist parties once ruled. Our goal is to understand the region's diversity and analyze common and diverging points of the communist and post-communist experiences.
- POLI 336 **WAR & PEACE IN YUGOSLAVIA** (3) Examination of social and political conflict and change in Yugoslavia.
- POLI 340 **THE PRESIDENCY** (3) The nature and function of executive power in the American political system.
- POLI 344 **THE CHALLENGE OF PEACE** (3) (THEO345) In-depth exploration of the personal, political, practical, and spiritual aspects of peace.
- POLI 345 **PRESSURE GROUPS & CONGRESS** (3) A study of pressure groups and group theory as it applies to the United States. Special emphasis on the structure and operation of Congress.
- POLI 347 **CIVIL LIBERTIES & CIVIL RIGHTS** (3) Detailed reading of American constitutional law cases; emphasis will be on civil liberties & civil rights; the role of the Supreme Court in history & politics and alternative approaches to constitutional interpretation.
- POLI 350 **POLITICAL THEORY & AMERICAN REGIME** (3) Detailed reading of the writings of American statesmen from the founding to modern times with a view to understanding the United States as regime. Fulfills the E/RS Focus elective. Prerequisite or Co-requisite: PHIL 100, THEO 111
- POLI 352 **PRINCIPLES OF RESEARCH** (3) (SOC1352) In-depth study of the basic steps and processes in scientific inquiry.
- POLI 359 **CAMPAIGNS, ELECTIONS & PARTIES** (3) Examination of electoral politics, political parties, and campaign processes and issues in the U.S.
- POLI 363 **LINCOLN & CONDITIONS OF FREEDOM** (3) Closely examine the writings of Abraham Lincoln, particularly as they pertain to the conditions of freedom. The course will serve as an upper-level elective for Political Science majors and minors, and is likely to be of interest to History majors, as well as Education students seeking certification in the Social Sciences.
- POLI 373 **U.S. AND THE THIRD WORLD** (3) An examination of the historic estrangement between the U.S. and the Third World and attempts for contemporary cooperation.
- POLI 374 **U.S. FOREIGN POLICY** (3) A survey of American foreign policy since World War II with special emphasis on contemporary issues.
- POLI 376 **INTERNATIONAL LAW** (3) The nature and uses of international law, international legal persons, recognition, and succession. State territory. Jurisdiction. The law of treaties. Legal regulation of the use of force.
- POLI 378 **INTERNATIONAL ORGANIZATIONS** (3) The United Nations, modern society of sovereign nations, international law, diplomacy, and peacekeeping.
- POLI 379 **REVOLUTION AND CHANGE** (3) A survey of the major theoretical approaches to the processes of political and social change especially in developing countries.
- POLI 381 **POLITICS OF WESTERN EUROPE** (3) This course will explore the political history, institutions, actors, processes, policies, and political culture of Western Europe, with particular emphasis on Germany, France, and Great Britain. Investigation of the major issue of European integration, with focus on the changing definition, role, and significance of the European Union. Examining of current debates over the limits of a united Europe, a single European currency, and a wider EU membership. The course will also consider the political implications for Europe of the end of Communist systems in the East and the formation of new political alignments in Central and Eastern Europe, as well as Russia. Finally, we will study Europe's developing role in a new world of complex interdependence.
- POLI 387 **SOVIET & POST-SOVIET POLITICS** (3) (HIST387) A survey of the soviet period emphasizing the 1917 Revolution in Europe and the Stalin era to better understand contemporary events.
- POLI 390 **SEMINAR: INTERNATIONAL RELATIONS** (3) Senior comprehensive paper based on research methods and survey of the scholarly literature in the field.

- POLI 391 **SEMINAR: AMERICAN GOVERNMENT** (3) Senior comprehensive paper. Research methods.
- POLI 392 **INTERNSHIP: POLICY ANALYSIS** (6) Examination of the methods of policy analysis through hands-on experience in a relevant organization.
- POLI 394 **ADVANCED READING & RESEARCH** (3) In-depth analysis of a topic or project of individual interest. Open to exceptional students upon faculty recommendation and with approval of department chairperson.
- POLI 396 **INTERNATIONAL AFFAIRS INTERNSHIP** (3) Examination of processes and issues in the field of international affairs through hands-on experience in a relevant organization.
- POLI 398 **INTERNSHIP: CITY GOVERNMENT** (3) Examination of the processes and issues in local government through hands-on experience in a political office or related organization.
- POLI 401 **WASHINGTON DC INTERNSHIP** (3 to 9) See department for application materials.
- POLI 402 **WASHINGTON DC INTERN COURSE** (3) An elective course taken through the Washington Center for Internships and Academic seminars.
- POLI 410 **WAR & PEACE IN LITERATURE & FILM** (3) (COMM410) Overview of political issues related to war and peace illustrated with examples from literature and film. Treatment of war and peace in the media from Civil War to Vietnam War.
- POLI 490 **DIRECTED STUDY** (1 to 3) Opportunity to pursue a topic or project of individual interest. Subject to approval of department chairperson.

## (PSYC) Psychology

### Lower Division Courses

- PSYC 100 **EFFICIENT READING & STUDY SKILLS** (1) Critical reading comprehension, study skills, writing skills with emphasis on the integration of reading and writing, understanding what is read, and developing good study habits. Improve ability to interpret, analyze, and evaluate general reading material and specific course contents.
- PSYC 101 **GENERAL PSYCHOLOGY** (3) Basic psychological processes such as sensation, perception, motivation, learning, psychological measurements, personality development.
- PSYC 121 **GEN EXPERIMENTAL PSYCH I** (2) Introduction to the scientific method used in psychology, covering topics such as sensation, perception, learning, emotion, motivation. Fulfills science requirement for non-psychology majors. Co-requisite: PSYC 122
- PSYC 122 **GEN EXPERIMENTAL PSYCH I LAB** (1) Laboratory experiments demonstrating principles described in the lectures (PSYC 121). Co-requisite: PSYC 121
- PSYC 123 **GEN EXPERIMENTAL PSYCH II** (2) Introduction to the structure and function of the nervous system, which serves as the basis for the study of human behavior and psychopathology. Fulfills science requirement for non-psychology majors. Prerequisite: PSYC 121/122 Co-requisite: PSYC 124
- PSYC 124 **GEN EXPERIMENTAL PSYCH II LAB** (1) Experiments demonstrating principles described in the lectures (PSYC 123). Co-requisite: PSYC 123

### Upper Division Courses

- PSYC 210 **STATISTICAL TECHNIQUES** (3) Basic statistics in psychology and education. Measures of central tendency and variability, correlational techniques, and experimental test of differences among groups.
- PSYC 221 **EXPERIMENTAL PSYCHOLOGY I** (2) Basic exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Required for psychology majors. Pre-requisite: PSYC 101, PSYC 210; non-psychology majors or minors need permission of chair to enroll. Co-requisite: PSYC 223

- PSYC 222 **EXPERIMENTAL PSYCHOLOGY II** (2) Advanced exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Required for psychology majors. Pre-requisite: PSYC 221; non-psychology majors need permission of chair to enroll. Co-requisite: PSYC 224
- PSYC 223 **EXPERIMENTAL PSYCHOLOGY I LAB** (1) Development of hypotheses, design and carry out psychological research, analyze data and interpret results. Required for psychology majors. Pre-requisite: Non-psychology majors or minors need permission of chair to enroll. Co-requisite: PSYC 221
- PSYC 224 **EXPERIMENTAL PSYCHOLOGY II LAB** (1) Development of hypotheses, design, and carry out psychological research, analyze data and interpret results. Required for psychology majors. Pre-requisite: Non-psychology majors need permission of chair to enroll. Co-requisite: PSYC 222
- PSYC 231 **DEVELOPMENTAL PSYCHOLOGY** (3) Factors influencing a person's life span. Application to stages of physiological maturation, developmental tasks, social learning, personality integration.
- PSYC 232 **CHILD PSYCHOLOGY** (3) The study of growth and development; heredity and environmental factors; early and later childhood to puberty.
- PSYC 233 **ADOLESCENT PSYCHOLOGY** (2 to 3) Interrelated physical, social, and moral development associated with youth and adolescence.
- PSYC 261 **SOCIAL PSYCHOLOGY** (3) (SOCW261) The individual's personality, attitudes, behavior in multi-individual situations.
- PSYC 267 **TREATING SEX OFFENDERS & VICTIMS** (1) (CJUS350, EDWS440, SOCW350) This workshop will explore treatment issues and approaches for working with sex offenders, victims, and other family members.
- PSYC 271 **INTRO TO EMOTIONALLY DISTURBED CHILD** (3) (EDSP201, EDSP501) Symptoms of maladaptive behavior in youngsters. Evaluation of etiological factors. Personality disorders, services, facilities and agencies for treatment.
- PSYC 276 **PSYCHOLOGY OF DELINQUENCY** (2) (CJUS276, CJUS676) Types and causes of juvenile delinquency together with brief case histories.
- PSYC 277 **ABNORMAL PSYCHOLOGY** (3) Dynamics of the disturbed personality; symptoms, causes, treatment of psychoneuroses, psychoses, deviant personalities.
- PSYC 285 **PSYCHOLOGY OF RELIGION** (3) The discipline which examines religiousness and the religious personality from a psychological perspective.
- PSYC 301 **HISTORY & SYSTEMS OF PSYCHOLOGY** (3) Modern scientific psychology including its various schools and their backgrounds.
- PSYC 310 **MARRIAGE AND THE FAMILY** (3) (SOCI310, THEO310) An interdisciplinary course taught simultaneously by a psychologist, sociologist, and theologian, each looking at marriage and family from his/her perspective. In addition, married couple specialists from law and medicine present as guest speakers.
- PSYC 321 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (HRES330, MGMT321) Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized.
- PSYC 340 **SEXISM & RACISM IN SOCIETY** (1) (EDWS339, SOCW340) This workshop will explore the causes and effects of racial and gender stereotyping, prejudice, and discrimination on the individual, institutional, and cultural level. Emphasis will be on education, the workplace, interpersonal relations, and communication.
- PSYC 350 **PSYCHOLOGY AND THE LAW** (3) To demonstrate a fundamental bridge between psychology and the law. The student will be introduced to each discipline's basic methodologies, the roles of forensic psychologists in the legal system, and how psychology can contribute to various areas of the law.
- PSYC 365 **PSYCHOLOGY OF WOMEN** (3) Study of the biological, psychological, and social needs and issues of women.
- PSYC 366 **CRIME & PERSONALITY** (3) (CJUS266, CJUS566, EDCO566) Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches.

- PSYC 367 **PSYCHOLOGY OF AGING** (3) The interrelationship between biological-cognitive personality and social changes associated with aging.
- PSYC 368 **HEALTH PSYCHOLOGY** (3) A survey of the field of health psychology. Will examine a number of health issues by considering the interaction of biological, psychological, and social factors.
- PSYC 370 **HUMAN SEXUALITY** (3) A survey of the psychology of humans as sexual beings.
- PSYC 375 **THEORIES OF ADDICTIONS** (3) Material covered in this course includes historical and current perspectives on drug addiction. Basic pharmacology and neuroanatomy will be reviewed. Current empirical understanding of the nature and effects of cocaine, nicotine, caffeine, alcohol, depressants, opiates, marijuana, hallucinogens and psychiatric drugs will be covered. Additionally, students will be exposed to current controversies regarding drugs, drug regulation and drug prevention.
- PSYC 379 **PSYCHOLOGICAL & ACHIEVEMENT TESTING** (3) Principles of mental testing- norms, reliability, validity- along with a familiarization of various psychological tests and discussion of factors in mental testing, e.g., anxiety, maturation, ethics, sources, scoring techniques.
- PSYC 380 **COUNSELING CHALLENGING YOUTH** (1) (CJUS463, EDWS563, SOCW463) Workshop participants will learn a number of practical strategies for building and maintaining therapeutic relationships with challenging youth and families. The strategies will be formatted around six guiding principles common to most human services professionals who successfully engage this population. Participants will be challenged to assess their own attitudes, beliefs, and behaviors related to challenging youth via lecture, demonstration, small group activities, and role plays.
- PSYC 395 **DIRECTED STUDY** (1 to 3) Specific research or practicum related project in the field of psychology. Research or practicum related project in the field of psychology. Research paper and final exam required. Psychology majors only. Pre-requisite: Approval of department chair.
- PSYC 407 **ADDICTION: AN EPIDEMIC** (1) (EDWS310, SOCW407) Various forms of addiction are becoming the leading social problems of this century. An overview of addiction will be imparted as well as specific manifestations such as sex, gambling, eating disorders, and drugs. The impact of addiction on the individual, family, and society will be discussed.
- PSYC 409 **GROUP DYNAMICS** (3) (SOCW409) In depth consideration of basic dynamics and processes operating in groups and the various strategies used in the group approach as they relate to educational, business, social and personal interactions and problems.
- PSYC 426 **PHYSIOLOGICAL PSYCHOLOGY** (3) An overview of the structure and function of the human nervous system as it is involved in human processes such as memory, emotion, learning, and psychopathology. Pre-requisite: PSYC 221, PSYC 222
- PSYC 427 **COGNITIVE PSYCHOLOGY** (3) Examines the human information processing system. Topics include attention, perception, sensory memory, short-term memory, long-term memory, reasoning and problem solving.
- PSYC 429 **PSYCH OF SENSATION & PERCEPTION** (3) Examines how the senses gather information from the outside world and how that information is transformed and interpreted by the nervous system. Topics include visual and auditory processing, perceptual organization, illusions, movement and time perception, and perceptual development.
- PSYC 452 **INTRO TO CLINICAL PSYCHOLOGY** (3) Provides an understanding of the different types of activities typically engaged in by clinical psychologists.
- PSYC 464 **THEORIES OF PERSONALITY** (3) Description and evaluation of current personality theories.

- PSYC 477 **SPORTS PSYCHOLOGY** (3) The course will deal with behavior and sports emphasizing the areas of personality and sports, anxiety and arousal in sports motivation, aggression, group dynamics, socialization and exercise.
- PSYC 481 **READINGS IN PSYCHOLOGY** (1 to 3) Library research project assisted and supervised by staff member. Final oral exam. Required research paper. Psychology majors only. Pre-requisite: Approval of department chair
- PSYC 490 **PRACTICUM IN PSYCHOLOGY** (1 to 3) Interviewing, behavior observation, test administration, report writing, and group dynamics through on-the-job training. Psychology majors only. Pre-requisite: Approval of department chair
- PSYC 499 **SENIOR COMPREHENSIVE REVIEW** (3) Capstone course required of all majors. Review of fundamental areas of psychology. Pre-requisite: Senior standing

### Graduate Courses

(Cross-listed graduate classes carry additional requirements above the stated undergraduate course description.)

- PSYC 502 **HISTORY & PHILOSOPHICAL ISSUES** (3) Review conceptual foundations of modern psychology. This review traces the roots of modern psychology, highlights the major figures of psychology as well as the often-overlooked contributions of women and ethnic minorities.
- PSYC 504 **THEORIES OF PERSONALITY** (3) Advanced study regarding the structure and functions of personality as well as an evaluation of current personality theories.
- PSYC 505 **PROFESSIONAL PROBLEMS & ETHICS IN PSYCH** (3) Professional issues in psychology including principles of ethics and their applications.
- PSYC 506 **ADVANCED SOCIAL PSYCHOLOGY** (3) This course provides an overview of social psychological theories. Applications of those theories and relevant research will be examined in terms of clinical themes, industrial/organization themes, and multicultural themes.
- PSYC 508 **DIVERSITY** (3) This is an applied course on cultural diversity. Study of various ethnic and cultural norms will be evaluated for their impact on clinical presentation. Appreciation and respect for cultural differences will be balanced with the importance of recognizing clinical needs within a variety of settings.
- PSYC 511 **ADVANCED STATISTICS I** (2) Multivariate analyses emphasizing correlational (multiple regression, discriminant analysis, factor analysis, etc.) and experimental (ANOVA, MANOVA, ANCOVA, etc.) approaches to experimental design and analysis. Pre-requisite: PSYC 210 or its equivalent Co-requisite: PSYC 520
- PSYC 512 **ADVANCED STATISTICS II** (2) Continuation of PSYC 511. Pre-requisite: PSYC 511 or equivalent Co-requisite: PSYC 521
- PSYC 520 **COMPUTER STATISTICS LANGUAGE I** (1) Application and interpretation of statistical packages for use in psychological research. Co-requisite: PSYC 511
- PSYC 521 **COMPUTER STATISTICS LANGUAGE II** (1) Continuation of PSYC 520. Pre-requisite: PSYC 520 Co-requisite: PSYC 512
- PSYC 522 **PERSONNEL PSYCHOLOGY** (3) (HRES915) Psychological dimensions of human resource functions in organizations, primarily focusing on personnel selection, employee orientation and placement, employment legislation and related topics with a strong emphasis upon current research and literature.
- PSYC 530 **LEARNING & MOTIVATION** (3) Theories of learning and motivation mainly within the context of education. Three families of learning theory: mental discipline, stimulus-response conditioning, cognitive psychology. Particular emphasis upon the place of intrinsic motivation.
- PSYC 553 **MARKETING RESEARCH** (3) (MKTG 902) Methods and techniques of marketing research; its use as a tool of management; cases in marketing research.
- PSYC 580 **CLINICAL PSYCHOPATHOLOGY** (3) Study of descriptive and dynamic psychopathology via DSM-IV and psychodynamic theory. Clinical interviewing and diagnostic criteria.
- PSYC 582 **ASSESSMENT I: INTELLIGENCE** (3) Administration of individual tests of intelligence (WAIS-III, WISC-III) and cognitive functioning (WMS-III). Introduc-

tion to analysis of performance and report writing. Pre-requisite: Permission of department chair

- PSYC 585 **ASSESSMENT II: PERSONALITY** (3) The fundamental principles involved in the administration, scoring, analysis, and evaluation of the MMPI-2, MMPI-A, MCMI-3, Bender-Gestalt, H-T-P and other tests are covered in this course. Pre-requisite: Permission of department chair

Students in PSYC 590, 593, 650, 651, 760, 761 850 and 851 are required to carry liability insurance purchased through the University.

- PSYC 590 **INTERNSHIP: GEN EXPER PSYCHOLOGY** (3) Supervised experience in the student's area of interest/concentration. Pre-requisite: Permission of department chair

- PSYC 593 **INTERNSHIP IN I/O PSYCHOLOGY** (3) A 120-hour field experience within the general area of I/O psychology. In some instances, students design and carry out complete projects in the service of organizations. In other situations, students participate in on-going activities in ways to help serve organizational needs. Permission of the department chair or I/O program director is required.

- PSYC 607 **ADVANCED DEVELOPMENTAL PSYCH** (3) Introduction to core conceptual issues in Developmental Psychology, the history of the field, and current research in major topic areas, such as cognition, socialization, memory, perception. Format of the course will consist of lectures, discussion of empirical research articles and student presentations.

- PSYC 609 **LEARNING & COGNITION** (3) Analysis of the experimental literature and theories of learning and cognition, including conditioning, memory, attention, problem solving, and decision making.

- PSYC 610 **BIOLOGICAL BASES OF BEHAVIOR** (3) A survey of the biological underpinning of human behavior with an emphasis on structure and function of the human nervous system particularly as it pertains to processes such as learning, memory, emotions, and psychological disorders.

- PSYC 615 **GESTALT THERAPY** (1) (EDWS520, SOCW484) This workshop is an introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experiential learning.

- PSYC 621 **ADV RESEARCH DESIGN & ANALYSIS** (3) Intensive survey of experimental procedures and advanced issues in experimental procedures and analysis; introduction to individual laboratory research with special focus on methodological issues in clinical research. Pre-requisite: PSYC 511/520 and 512/521

- PSYC 623 **RESEARCH PRACTICUM** (3) The research practicum will provide students with the opportunity to apply principles from statistics and research design courses to empirical research projects. Students will be assigned a research question at the beginning of the semester. Students will perform a brief review of relevant literature to the question and then design a program of studies to empirically test the question and generate and analyze data for the design. Students will be involved in ongoing discussion of strengths, weaknesses, challenges and ethical issues of each project.

- PSYC 627 **MARITAL & FAMILY THERAPY** (2) (EDWS580, SOCW472) This workshop provides an overall introduction into marital and family therapy in teaching a range of psychological disorders. Acquaints the student with the latest advances in assessment and therapeutic intervention procedures from a marital and family therapeutic perspective.

- PSYC 629 **INTERVENTION TECH: BEHAVIOR THERAPY** (3) Theoretical and empirical bases of behavior therapy coupled with applied aspects of the therapeutic process. Projects using behavioral therapeutic techniques in a variety of settings with various clinical problems required.

- PSYC 641 **ASSESSMENT TECH IN INDUSTRIAL/ORGANIZATIONAL PSYCH** (4) The role of assessment in I/O psychology. Skill development in conducting job analyses and writing job descriptions; constructions, evaluating and using employ-

- ment tests; developing and carrying out surveys; coverage of all phases of performance evaluation; and meeting other assessment needs within the field of I/O psychology.
- PSYC 643 **SEM: INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) Group discussions of current topics in I/O psychology, including both substantive issues (such as leadership) and professional matters. Students are expected to carry major responsibility in the presentation of topics at hand. Pre-requisite: Permission of the department chair or instructor
- PSYC 644 **ORGANIZATIONAL PSYCHOLOGY** (3) (EDHR644, MGMT944) Concepts and controversy related to attempt to explain the motivation and behavior of people in organizations. Job satisfaction, motivation to work, behavioral and cognitive approaches to management, employee involvement, turnover, absenteeism and related topics with emphasis upon current research and literature.
- PSYC 645 **TRAINING & DEVELOPMENT IN ORGANIZATIONS** (3) This course presents an overview of the important issues in training and development. Students will apply the concepts and knowledge learned to real world situations.
- PSYC 647 **CLINICAL STUDY OF EMOTIONALLY DISTURBED CHILD** (2) Introduces students to practical diagnostic and treatment procedures in their contact with the emotionally disturbed child.
- PSYC 650 **PROFESSIONAL DEVELOPMENT & PRACTICUM I** (3) This is a didactic and experiential class designed to socialize the students in a variety of applied areas within the area of clinical psychology. Students will become acquainted with information about practical aspects of psychological service provision, current professional and ethical issues relevant to that experience and the role of psychological organizations in one's development. Professional development addresses four general areas: clinical knowledge, clinical skills, self-knowledge, and research thinking.
- PSYC 651 **PROFESSIONAL DEVELOPMENT & PRACTICUM II** (3) Continuation of PSYC 650. Pre-requisite: PSYC 650
- PSYC 685 **ASSESSMENT III: PERSONALITY** (3) This course furthers training in the assessment of personality functioning by presenting the administration, scoring and interpretation of the Rorschach Test, based upon Exner's Comprehensive System. Pre-requisite: Permission of department chair
- PSYC 689 **RESEARCH IN PSYCHOLOGY** (3) Research project supervised by a faculty member. Pre-requisite: Approval of department chair
- PSYC 699 **MASTER'S THESIS** (3 to 6) Culminating scholarly activity requiring literature review, collection and analysis of data and discussion of results. A formal proposal and oral defense of the written thesis are required.
- PSYC 703 **PSYCHOPHARMACOLOGY** (3) Provide students with the knowledge, understanding, and appreciation of the pharmacological properties of drugs relative to origin, use, actions and effects. Discuss the methods of updating and keeping current with developments in the area, as well as providing students with the ethics and standard practice methods in the health-related profession.
- PSYC 704 **HEALTH ISSUES IN GEROPSYCHOLOGY** (3) This course focuses on the relationship between physical disease and psychological functioning. Theoretical issues and applied psychological interventions related to health promotion and wellness are presented. Offers a multi-disciplinary perspective through critique and analysis of current research literature and exposure to other allied health professionals.
- PSYC 705 **CLINICAL NEUROPSYCHOLOGY** (3) Study of brain-behavior relationships. This course will review classic neuropsychological presentations of frequently encountered neurologic disorders.
- PSYC 706 **ALCOHOL AND SUBSTANCE ABUSE** (3) This course examines the concept of addiction as it is understood by psychologists. It is designed to provide exposure to leading theories of drug initiation, abuse and dependence. Information about the physical and psychoactive effects of the major categories of abuse and dependence

producing drugs will be covered. Assessment strategies and treatment modalities will be discussed.

- PSYC 712 **FORENSIC PSYCHOLOGY** (3) Examines the bridge between psychology and the law, emphasizing the forensic psychologist's role in the legal system. Attention will be given to developing a foundation in forensic knowledge, skills, and attitude for professional psychologists. Forensic issues including assessment and intervention strategies, consultation, interdisciplinary forensic problem-solving, courtroom testimony, and ethics will be emphasized.
- PSYC 715 **EARLY COGNITIVE DEVELOPMENT** (3) (EDME363, EDME563) Review of theories of the nature and development of the human cognitive system and how it relates to developmental processes. Special attention is paid to Piaget's theory of cognitive development.
- PSYC 716 **CHILDHOOD PSYCHOPATHOLOGY** (1 to 2) (EDWS719, SOCW483) This workshop deals with identification, assessment and treatment procedures useful in working therapeutically with a range of psychological disorders experienced by children and adolescents.
- PSYC 718 **ASSESSMENT OF CHILD & ADOLESCENT** (3) Designed to teach a variety of clinical assessment strategies to assist in diagnosis, and clinical decision-making skills. The complexities of developing children and their social systems are examined in light of multi-model assessment. Interpreting assessment data with sensitivity to cultural and ethnic differences are also addressed. Pre-requisite: PSYC 720
- PSYC 720 **CHILD & ADOLESCENT PSYCHOPATHOLOGY** (3) Risk factors for and characteristics of psychopathology evidenced by persons under 18, with attention to the influence of genetics, biology, family, peers, diverse social contexts, and society as a child develops.
- PSYC 721 **THERAPY & PSYCHOPATHOLOGY IN GEROPSYCHOLOGY** (3) Focus of the course is twofold: assessment and treatment. When assessing and treating older adults psychologists must consider the relevant bio-psycho-social factors. Students will express their conceptualization of cases according to a biopsychosocial framework, DSM-IV diagnostic criteria, and the major models of psychotherapy; describe and defend their treatment plan for many common disorders in later life, incorporating empirically proven effective interventions; and identify the ethical principles operative in cases and describe how they will resolve ethical dilemmas according to APA ethical guidelines and principles.
- PSYC 730 **INTERVENTION TECH: CONSULTING** (3) Consultation is studied as a process service delivery role, especially as applied for the clinical psychologist. Both consulting as an individual and as part of a team will be studied as applied to a number of different areas; health care agencies; forensic agencies academic agencies; athletics and corporations. The emphasis on specific areas may change from time to time. Basics of grant writing, aspects of program evaluation, diversity issues, consulting vs. counseling and therapy, ethical issues related to consulting will be explored. Students will be expected to become familiar with consulting research and theory as well as fundamentals of consulting practice.
- PSYC 731 **INTERVENTION TECH: PSYCHODYNAMICS** (3) This course is presented to teach both a theoretical and applied understanding of the psychotherapeutic process, emphasizing psychoanalytic theory and technique. Pre-requisite: Permission of department chair
- PSYC 732 **INTERVENT TECH: CHILD & ADOLESCENT** (3) Theoretical framework regarding the psychological treatment of children and adolescents, current research data, and treatment methods presented in dealing with a range of childhood and adolescent disorders. Special emphasis is placed on empirically validated treatment interventions. Pre-requisite: PSYC 720, PSYC 718
- PSYC 740 **ASSESSMENT OF OLDER ADULTS** (3) Exposure to topics and special issues related to older adults through a critique of the current literature. Topics include: necessary adaptations to the assessment of the personality, psychopathology, affect,

- cognitive changes, competency, sensory deficits, and areas of instrumental and daily functioning. Includes development of basic proficiency in neuropsychological screening with elders and report writing. Ethical and legal principles relevant to the protection and treatment of older adults are included.
- PSYC 747 **INTERV TECH: MARITAL & FAMILY THERAPY** (3) Theoretical framework regarding marriage and the family, current research data on marital and family dysfunctions, diagnostic and the treatment methods presented along with practical training in marital and family therapy.
- PSYC 760 **CLINICAL PRACTICUM III** (3) Supervised experience in a clinical setting. Pre-requisite: Approval of department chair
- PSYC 761 **CLINICAL PRACTICUM IV** (3) Continuation of PSYC 760. Pre-requisite: PSYC 760
- PSYC 787 **RESEARCH I** (3) A culminating scholarly activity requiring a review of relevant literature, collection and analysis of data, and discussion of results. A formal proposal meeting and oral defense of the written dissertation are required.
- PSYC 788 **RESEARCH II** (3) Continuation of PSYC 787. Pre-requisite: PSYC 787
- PSYC 789 **RESEARCH III** (3) Continuation of PSYC 788. Pre-requisite: PSYC 788
- PSYC 790 **CONTINUOUS MAJOR RESEARCH** (3) Continuation of PSYC 789. Pre-requisite: PSYC 789
- PSYC 850 **CLINICAL PRACTICUM V** (3) Supervised experience in a clinical setting. Pre-requisite: Approval of the department chair
- PSYC 851 **CLINICAL PRACTICUM VI** (3) Continuation of PSYC 850. Pre-requisite: PSYC 850
- PSYC 896 **RESEARCH & CLINICAL ISSUES: SMDP** (3) A non-traditional, knowledge-based introduction to research and clinical issues involved in working with severely mentally ill persons and their families. The course takes a broad-based approach to the overview of the field and addresses theory and practice methods in this area along with current research findings on intervention and approaches to treatment. Students will also be acquainted with the social, political and professional context in which mental health practice and research take place.
- PSYC 897 **INTERVENT TECH: SMD POPULATION** (3) A knowledge based introduction to the theory, research and clinical issues involved in working with severely mentally ill persons and their families.
- PSYC 900 **TUTORIAL IN PSYCHOLOGY** (1 to 3) Content to be determined according to the needs of the student in regards to a particular skill/knowledge area. Approval of the department chair is required.
- PSYC 998 **INTERNSHIP PLANNING** (1) Continuation of doctoral student preparation for internship experience.
- PSYC 999 **INTERNSHIP** (2) Intensive, full-time supervised experience in a clinical setting approved by the department. Pre-requisite: Matriculation in psychology department doctoral program and approval of department chair

## **(RADT) Radiologic Technology**

### **Undergraduate Courses**

- RADT 150 **MEDICAL TERMINOLOGY** (1) Medical word roots, stems, prefixes and suffixes. Common medical abbreviations.
- RADT 152 **NURSING PROCEDURES** (1) Nursing concepts as applied to radiology. Basic patient care, communication skills, professional ethics, emergency procedures and isolation techniques.
- RADT 160 **RADIOGRAPHIC POSITIONING I** (2) Didactic and laboratory instruction in routine radiographic positioning of the chest, abdomen, upper extremities, bony thorax, esophagus, stomach, large intestines, biliary and urinary systems. Co-requisite: RADT 161

- RADT 161 **RADIOGRAPHIC PRACTICUM I** (1) Radiographic clinical competency training and evaluation, Tuesdays and Thursdays during the fall semester at an affiliate hospital (16 hours/week). Co-requisite: RADT 160
- RADT 162 **RADIOGRAPHIC POSITIONING II** (2) Didactic and laboratory instruction in routine radiographic positioning of the lower extremities, pelvis, cervical, thoracic, and lumbar spine, skull and facial bones. Pre-requisite: RADT 160 and 161 Co-requisite: RADT 163
- RADT 163 **RADIOGRAPHIC PRACTICUM II** (1) Radiographic clinical competency training and evaluation, Tuesdays and Thursdays during the spring semester at an affiliate hospital (16 hours/week). Pre-requisite: RADT 160 and 161 Co-requisite: RADT 162
- RADT 165 **RADIOGRAPHIC PRACTICUM III** (3) Radiographic clinical competency training and evaluation during the summer months. First summer session, Monday and Wednesday at an affiliate hospital (16 hours/week). Second summer session, Monday through Friday at an affiliate hospital (40 hours/week). Pre-requisite: RADT 162, RADT 163, RADT 172, RADT 180
- RADT 170 **PRIN OF RADIOGRAPHIC EXPOSI** (2) Basic concepts of radiation protection, the process of radiographic image production, and the specific equipment accessories used to produce high quality images. Co-requisite: RADT 161
- RADT 172 **PRIN OF RADIOGRAPHIC EXPOS II** (2) Controlling and influencing factors of radiographic quality. Pre-requisite: RADT 170 Co-requisite: RADT 161
- RADT 180 **RADIATION PROTECTION AND BIOLOGY** (2) How to use ionizing radiation in a safe and prudent manner, maximum permissible doses, effects of ionizing radiation on living tissue. Pre-requisite: RADT 161, RADT 170
- RADT 250 **GENERAL RADIOGRAPHY** (2) Specialized radiographic positioning procedures including radiographic anatomy. Pre-requisite: RADT 160-163 Co-requisite: RADT 261
- RADT 260 **SPECIAL PROCEDURES** (2) Special radiographic procedures including angiography. Contrast media. Pre-requisite: RADT 160-163 Co-requisite: RADT 261
- RADT 261 **RADIOGRAHIC PRACTICUM IV** (2) Advance radiographic clinical competency training and evaluation, fall semester on Mondays, Wednesdays and Fridays at an affiliate hospital (24 hours/week). Pre-requisite: RADT 165
- RADT 263 **RADIOGRAPHIC PRACTICUM V** (2) Advance radiographic clinical competency training and evaluation, spring semester on Mondays, Wednesdays and Fridays at an affiliate hospital (24 hours/week). Pre-requisite: RADT 261
- RADT 265 **RADIOGRAPHIC PRACTICUM VI** (3) Continuation of RADT 263, summer semester, Monday through Friday (2 months 40 hours/week). Pre-requisite: RADT 263, RADT 280, RADT 292
- RADT 270 **PRIN OF RADIOGRAPHIC EXPOS III** (2) Radiographic technique charts and designs. Exposure conversion problems. Anode cooling and tube rating. Pre-requisite: RADT 172 Co-requisite: RADT 261
- RADT 280 **PATHOLOGY** (2) Study of diseases and the radiographic evaluation of the disease processes. Pre-requisite: RADT 250, RADT 260
- RADT 292 **IMAGING EQUIPMENT & FILM PROCESS** (2) Defines the design, maintenance, and quality assurance of radiologic equipment and film processing equipment including the processing chemicals. Pre-requisite: RADT 270 Co-requisite: RADT 263
- RADT 294 **RADIOGRAPHIC SECTIONAL ANATOMY** (2) Gross sectional anatomy of the head, neck, thorax, abdomen, pelvis and vertebral column as they appear on diagrams, computed tomography and magnetic resonance scans. Pre-requisite: RADT 160, RADT 162, BIOL 140-143, or Registered Radiographers by the A.R.R.T. who have graduated from an accredited school of Radiologic Technology.

Full schedule available in the program brochure. Call (513) 745-3358.

# (SOCI) Sociology

## Lower Division Courses

- SOCI 101 **INTRODUCTION TO SOCIOLOGY** (3) Social behavior within the context of group structure, society, and culture. Basic sociological terminology and methodology.
- SOCI 167 **INTRODUCTION TO SOCIAL WORK** (3) (CJUS167, SOCW167) The social welfare institution and social work. The three major purposes of social work: (1) enhancement of problem solving; (2) knowledge of systems that provide people with resources and services; and (3) the successful linkage of people with these systems.
- SOCI 180 **CULTURE & SOCIETY** (3) Cross cultural study of human values, norms, and behavior. Contemporary American as well as remote and prehistoric cultures will be investigated from the anthropological perspective.

## Upper Division Courses

- SOCI 216 **SOCIOLOGY OF RELIGION** (3) (THEO305) Examination of the major components of religion, the interdependence between religion and other societal institutions, and religion's role in social conflict and change. Fulfills the E/RS Focus elective.
- SOCI 232 **SOCIOLOGY OF SPORT** (3) (EDSM132) Organized sport as an important institutional component of American culture and society.
- SOCI 240 **POPULATION TRENDS & ANALYSIS** (3) Introduction to the basic methods and theories of demography.
- SOCI 245 **APPALACHIAN IN URBAN LIFE** (3) Subcultural contact with the urban community. Social and economic adjustment problems of this group.
- SOCI 250 **RACIAL ETHNIC MINORITIES** (3) Minority groups in contemporary United States. Social processes involved in dominant minority relations.
- SOCI 262 **WOMEN IN AMERICAN SOCIETY** (3) Women in social, economic, and structural (bureaucratic) settings. An examination of changing roles and status.
- SOCI 264 **SOCIAL CHANGE** (3) (SOCW264) Studying alterations in cultural patterns, social structure, and social behavior.
- SOCI 265 **COLLECTIVE BEHAVIOR** (3) Overview of theory and research on various forms of collective behavior, including fads, fashions, urban legends, crowds, riots, and social movements.
- SOCI 269 **POPULAR CULTURE** (3) Critical perspectives on the production, interpretation, and effects of popular culture.
- SOCI 285 **MAGIC & WITCHCRAFT** (3) Mysticism and the supernatural in social context. The meanings and functions of magic and witchcraft within various cultural contexts.
- SOCI 289 **MOVIES AND CITIES** (2) (COMM289, HIST289) The course is designed for undergraduates and serves as an introduction to both American urban history and the history of movies. It also acquaints students with interdisciplinary methods. Students are required to do a significant amount of reading and writing.
- SOCI 290 **CRIMINOLOGY AND PENOLOGY** (3) (CJUS290) Causative theories of crime. Crimes and criminals in the context of behavioral systems. Policies and programs of legal treatment.
- SOCI 292 **JUVENILE DELINQUENCY** (3) Multiple factors involved in delinquent behavior. Definition, extent, causation, and treatment.
- SOCI 300 **SOCIOLOGICAL THEORIES** (3) European and American theorists. Origin, growth, and change of social order and the individual's place in society.
- SOCI 310 **MARRIAGE AND THE FAMILY** (3) (PSYC310, THEO310) Sociological insights concerning marriage and family systems. Dating, love, sex roles, and parenting.
- SOCI 316 **COMPLEX ORGANIZATIONS** (3) A critical survey of formal organizations and the social processes and behaviors associated with them. Authority, control, motivation, socialization, and alienation are among the areas to be discussed.

- SOCI 325 **NATIVE AMERICAN CULTURES** (3) Anthropological perspectives on the social and cultural situations of diverse native American peoples. Language, economics, and relations with the dominant culture.
- SOCI 352 **PRINCIPLES OF RESEARCH** (3) (POLI352) In-depth study of the basic steps and processes in scientific inquiry.
- SOCI 353 **APPLIED RESEARCH METHODOLOGY** (3) Ethnographic research methods. Senior comprehensive research paper. Pre-requisite: SOCI 352
- SOCI 358 **URBAN AMERICA** (3) Historical development and demographic patterns of the city and its environs. Sociocultural and ecological perspectives used to examine urban, suburban, and rural areas.
- SOCI 362 **TECHNOLOGIES OF GENDER** (3) (ENGL362) Examination of the ways in which women's bodies are both constructed and deconstructed in post modern culture and the ethical, social, and political implications of these processes for the well-being of women. We will focus on technologies of gender, i.e., those sets of cultural practices that make the body gendered. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- SOCI 365 **CLASS AND CLASS CONFLICT** (3) (CJUS265) Class, status, and power in social life. Systems of social inequality examined within a cross-cultural perspective.
- SOCI 366 **UTOPIAN COMMUNITIES** (3) Course examines, in historical and contemporary settings, Utopian writings and actual attempts at establishing Utopian situations.
- SOCI 375 **SOCIOLOGY OF MEDICINE/HEALTHCARE** (3) Critical perspective on issues in the health status of populations and distribution of medical services in society.
- SOCI 382 **SOCIAL SYSTEMS IN THE LIFE CYCLE** (2) (SOCW382) The importance of organizations, communities, society, and global influences in assessing human behavior in the social environment.
- SOCI 398 **INTERNSHIP: SOCIAL SERVICE** (3) Examination of the processes and issues involved in social service programs through hands-on experience in a social service agency or organization.
- SOCI 412 **DYNAMICS OF OLDER ADULTS** (3) The process and experience of aging in social, political, and economic context.
- SOCI 495 **DIRECTED STUDY** (1 to 3) Opportunity to pursue a topic or project of individual interest. Subject to approval of department chairperson.

## (SOCW) Social Work

### Lower Division Courses

- SOCW 101 **INTRODUCTION TO CRIMINAL JUSTICE** (3) (CJUS101) An overview of the history and legal basis of the criminal justice system, its structures, its functions and interface with the individual elements.
- SOCW 167 **INTRODUCTION TO SOCIAL WORK** (3) (CJUS167, SOCI167) The social welfare institution and social work. The three major purposes of social work: (1) enhancement of problem solving; (2) knowledge of systems that provide people with resources and services; and (3) the successful linkage of people with these systems.

### Upper Division Courses

- SOCW 204 **CONTEMPORARY SOCIAL PROBLEMS** (3) A systematic study of major social problems in modern society.
- SOCW 208 **ECONOMICS OF SOCIETY** (3) A study of basic principles essential to understanding economic problems from a social point of view and the policy alternatives society may utilize to contend with these problems.
- SOCW 211 **COMPUTER APPLICATIONS FOR SOCIAL SCIENCES** (1 to 3) Introduction to the fundamentals of the use of personal computers and main frames.

- Examines measurements, data collection, data processing, statistical packages (SPSSX) and application, and word processing issues. Emphasis on basic knowledge for computer-based decision making and social science applications in applied settings.
- SOCW 221 **JUVENILE JUSTICE IN A CHANGING SOCIETY** (3) A required course which emphasizes juvenile court philosophy and practices, prevailing case law, applicable federal and state legislation, current trends and development of standards, alternatives to incarceration, comparison of the treatment of the juvenile offender in the juvenile justice system as opposed to the adult system, and a historical overview.
- SOCW 260 **CURRENT ISSUES IN CRIMINAL JUSTICE** (3) A required course which complements CJUS 101 Introduction to Criminal Justice: Police, Courts and Corrections; CJUS 103 Introduction to Corrections: Practice and Procedures; CJUS 621/321 Juvenile Justice in a Changing Society; and relates numerous current political and social issues to adult and juvenile corrections.
- SOCW 261 **SOCIAL PSYCHOLOGY** (3) (PSYC261) The individual's personality, attitudes, and behavior in multi-individual situations.
- SOCW 264 **SOCIAL CHANGE** (3) (SOCI264) Studying alterations in cultural patterns, social structure, and social behavior.
- SOCW 265 **OVERVIEW OF CONTEMPORARY CORRECTIONS** (3) Compares historical and contemporary methodologies, presents and critiques jail and prison programs, applies court decisions to current practices, and generally analyzed institutional and non-institutional corrections in relation to today's social and political realities. Staff and inmate rights and responsibilities are presented within the context of ethical and legal requirements.
- SOCW 270 **FAMILIES IN POVERTY** (3) Analyzes the causes and consequences of poverty for families in America. Antipoverty policy responses are also considered.
- SOCW 299 **CHILD WELFARE AND DEVELOPMENT** (3) The course will offer the student knowledge and understanding of human development from pregnancy and birth through infancy, early childhood, and middle childhood. Materials will stress both normative and problematic aspects of human behavior. A core of theories, concepts, skills, and information is given to prepare the student with knowledge for viewing human transitions through social interaction from birth through childhood. Biological, psychological, and social aspects of growth and development are examined using a systems orientation (e.g. the influences of family, groups, organizations, communities and society). Pre-requisite or Co-requisite: PSYC 101, SOCI 101
- SOCW 300 **HUMAN LIFE CYCLE II: ADOLESCENT-ADULT** (3) Psychological, physiological, and social approaches to development and experience from adolescence to death. Interdisciplinary. Pre-requisite: SOCW 299
- SOCW 310 **FAMILY AND SOCIETY** (2 to 3) (EDWS360) A study of marriage preparation, partner selection, marital adjustment, family structure and functions, and marital dissolution. Current problems facing the family will be explored with an emphasis on macro and micro intervention strategies which may be employed for problem resolution.
- SOCW 313 **LIFESTYLES IN A CHANGING SOCIETY** (2 to 3) An in-depth study of American culture and the effects it has upon the relationship of the individual to the social order; a look at societal child-rearing practices, autonomy, and self-actualization.
- SOCW 315 **SOCIAL INSTITUTION AS A SYSTEM** (3) A critical analysis of society's response to social welfare needs and problems; society's attempt to meet these problems through purposeful programs and organizations based on prevailing social values and in relationship to other societal institutions. Pre-requisite: SOCW 167
- SOCW 316 **SOCIAL POLICY & CONTEMPORARY ISSUES** (3) Existing social welfare policy in light of current social issues, developing trends in social welfare policy and their impact on existing human needs.
- SOCW 318 **TRENDS IN MODERN SOCIETY: RACE RELATIONS** (3) Causes, effects, and forms of racial prejudice and stereotyping, social conditions and attitudes,

- individual and structural consequences are examined. Fulfills the Cultural Diversity Elective requirement.
- SOCW 320 **PRE-PLACEMENT SEMINAR** (2) Designed to assist the student in selecting and arranging field instruction. Topics examine preparation for field placement. Co-requisite: SOCW 415
- SOCW 325 **WOMEN/MEN: MYTH & REALITY** (3) Changing roles of men and women in American culture, sex roles, sex stereotyping, and socialization of the sexes. Social conditions and attitudes which affect the role and status of women and men in the institutions of society are explored.
- SOCW 330 **COMMUNITY ORGANIZING** (3) A study of the theories, principles, and techniques of community organization with an emphasis on practical research.
- SOCW 337 **ADOLESCENT CRISIS** (3) A study of the issues and problems of the adolescent.
- SOCW 340 **SEXISM & RACISM IN SOCIETY** (1) (EDWS339, PSYC340) This course will explore the causes and effects of racial and gender stereotyping, prejudice, and discrimination on the individual, institutional, and cultural level. Emphasis will be on education, the workplace, interpersonal relations, and communication.
- SOCW 348 **INTERVENTION WITH ABUSED CHILD** (1) (EDWS370) This course is designed to acquaint the student with the different types of child abuse, family dynamics, and profiles of victims and offenders. Knowledge of various intervention strategies will be imparted.
- SOCW 350 **TREATING SEX OFFENDERS & VICTIMS** (1) (CJUS350, EDWS440, PSYC267) This workshop will explore treatment issues and approaches for working with sex offenders, victims, and other family members.
- SOCW 352 **RESEARCH METHODOLOGY** (3) An in-depth study of the basic steps and processes in scientific inquiry.
- SOCW 382 **SOCIAL SYSTEMS IN THE LIFE CYCLE** (2) (SOC1382) The importance of organizations, communities, society, and global influences in assessing human behavior in the social environment.
- SOCW 395 **DIRECTED STUDY** (1 to 3) Individualized study in a area of faculty expertise.
- SOCW 402 **CHILD ABUSE** (3) Designed to acquaint the student with the various forms of child abuse and neglect. Family dynamics and characteristics of offenders and victims will be studied.
- SOCW 407 **ADDICTION: AN EPIDEMIC** (1) (EDWS310, PSYC407) Various forms of addiction are becoming the leading social problems of this century. An overview of addiction will be imparted as well as specific manifestations such as sex, gambling, eating disorders, and drugs. The impact of addiction on the individual, family, and society will be discussed.
- SOCW 409 **GROUP DYNAMICS** (3) (PSYC409) In depth consideration of basic dynamics and processes operating in groups and various strategies used in the group approach as they relate to educational, business, social and personal interactions and problems.
- SOCW 412 **DYNAMICS OF OLDER ADULTS** (3) A study of issues and problems relevant to older adults.
- SOCW 415 **THEORY & METHODS OF SOCW PRACTICE I** (3) Theories and bodies of knowledge as basis for social work intervention. Values and skills associated with the practice of social work. Emphasis is placed on individuals, families, and groups. Pre-requisite: SOCW 167, SOCW 300, SOCW 315, PSYC 232
- SOCW 416 **THEORY & METHODS OF SOCW PRACTICE II** (3) Knowledge and application of the fundamentals of social work practice, the problem-solving process, effective use of self as an agent of change. Emphasis is placed on organizations, communities, and society. Pre-requisite: SOCW 415
- SOCW 417 **SOCIAL WORK FIELD INSTRUCTION** (4) Students are provided with an opportunity to work directly with clients in an existing social service agency under the supervision of a skilled practitioner. Pre-requisite: SOCW 415 Co-requisite: SOCW 419, SOCW 420

- SOCW 418 **SOCIAL WORK FIELD INSTRUCTION** (4) Students are provided with an opportunity to work directly with clients in an existing social service agency under the supervision of a skilled practitioner. Pre-requisite: SOCW 415 Co-requisite: SOCW 419, SOCW 420
- SOCW 419 **SOCIAL WORK SEMINAR** (1) Designed to provide the student with an opportunity to integrate the knowledge and theory acquired in the classroom with the experiential learning gained from actual work experience. Pre-requisite: SOCW 320, SOCW 415 Co-requisite: SOCW 417, SOCW 418
- SOCW 420 **SOCIAL WORK SEMINAR** (1) Designed to provide the student with an opportunity to integrate the knowledge and theory acquired in the classroom with the experiential learning gained from actual work experience. Pre-requisite: SOCW 320, SOCW 415 Co-requisite: SOCW 417, SOCW 418
- SOCW 424 **RESEARCH PAPER** (1) A research paper is completed in a substantive area important to social work. Pre-requisite: SOCW 352
- SOCW 432 **RES & CL ISSUES: SMD POPULATION** (3) A survey of the chronic patients with severe emotional problems, etiology, diagnosis, and treatment issues.
- SOCW 444 **ADDICTIVE BEHAVIORS** (3) (CJUS444) Examination of addiction theory and process through comparison of variety of substance and process addictions. Pre-requisite: PSYC 101, SOCI 101, SOCW 167 or permission of instructor
- SOCW 463 **COUNSELING CHALLENGING YOUTH** (1) (CJUS463, EDWS563, PSYC380) Workshop participants will learn a number of practical strategies for building and maintaining therapeutic relationships with challenging youth and families. The strategies will be formatted around six guiding principles common to most human services professionals who successfully engage this population. Participants will be challenged to assess their own attitudes, beliefs, and behaviors related to challenging youth via lecture, demonstration, small group activities, and role plays.
- SOCW 472 **MARITAL & FAMILY THERAPY** (2) (EDWS580, PSYC627) Provides an overall introduction into marital and family therapy in teaching a range of psychological disorders. Acquaints the student with the latest advances in assessment and therapeutic intervention procedures from a marital and family therapeutic perspective.
- SOCW 483 **CHILDHOOD PSYCHOPATHOLOGY** (1 to 2) (EDWS719, PSYC716) Identification, assessment and treatment procedures useful in working therapeutically with a range of psychological disorders experienced by children and adolescents.
- SOCW 484 **GESTALT THERAPY** (1) (EDWS520, PSYC615) Introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experimental learning.

## (SPAN) Spanish

### Lower Division Courses

- SPAN 101 **ELEMENTARY SPANISH I** (3) An introduction to basic language skills emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness.
- SPAN 102 **ELEMENTARY SPANISH II** (3) The second semester elementary course which is a continuation of SPAN 101. Pre-requisite: SPAN 101 (unless waived)
- SPAN 201 **INTERMEDIATE SPANISH I** (3) The first semester intermediate course which is a continuation of SPAN 102 with a particular emphasis on the development of more creative use of the language. Pre-requisite: SPAN 102 (unless waived)
- SPAN 202 **INTERMEDIATE SPANISH II** (3) The second semester intermediate course emphasizing reading and writing skills through the study of authentic materials dealing with the Hispanic world. Pre-requisite: SPAN 201 (unless waived)

### Upper Division Courses

Prerequisite: SPAN 202 or its equivalent. Students MUST take at least two of the following before enrolling in other upper division courses: SPAN 300, 301, 302, 303, 304, 305, and 306.

- SPAN 300 **ADVANCED SPANISH I** (3) A language development course which emphasizes equally listening, speaking, reading, writing, and cultural aspects with an extensive grammar review.
- SPAN 301 **ADVANCED SPANISH II** (3) This course is a continuation of Advanced Spanish I. It offers advanced and comprehensive study of the structure of the Spanish language, emphasizing listening, writing, reading, and cultural aspects. Pre-requisite: SPAN 202 or equivalent
- SPAN 302 **SPANISH CONVERSATION** (3) Designed for the development of speaking and listening skills through active participation by students. Discussions and activities are based on contemporary issues.
- SPAN 303 **SPANISH COMPOSITION** (3) Designed for the development of both formal and informal writing skills. Types of writing include journal, letter, summary, and analytical.
- SPAN 304 **SPANISH VOCABULARY IN CONTEXT** (3) Study of technical and functional vocabulary in selected situations not found in traditional textbooks.
- SPAN 305 **READINGS IN SPANISH** (3) Readings from literary and nonliterary sources chosen to improve reading skills, with continued practice of listening, speaking and writing skills. Pre-requisite: SPAN 202 or equivalent
- SPAN 306 **BUSINESS SPANISH** (3) Development of the four skills in the context of the contemporary Hispanic business world by readings, discussions, and written practice. Emphasis on the terminology of commercial Spanish.
- SPAN 325 **HISTORY OF THE SPANISH LANGUAGE** (3) (SPAN625) Study of the evolution and development of the Spanish language from Latin to present day Spanish.
- SPAN 326 **SPANISH LANGUAGE FOR TEACHERS** (3) (SPAN626) Study of the Spanish language designed to increase knowledge and competence through discussion and practice of language usage.
- SPAN 327 **SPANISH VOCABULARY IN CONTEXT** (3) (SPAN627) Study of technical and functional vocabulary in situations of special interest to teachers and prospective teachers. Class projects include formation of vocabulary lists and lesson plans.
- SPAN 328 **PHONETICS AND DIALECTOLOGY** (3) (SPAN628) Study of the phonetic system of the Spanish language, including transcription and identification of dialectal features.
- SPAN 350 **SPANISH CIVILIZATION** (3) Representative culture and history of Spain.
- SPAN 351 **LATIN-AMERICAN CIVILIZATION** (3) Representative culture and history of Latin America.
- SPAN 352 **HISPANIC CULTURE** (3) (SPAN652) An intensive course focusing on contemporary cultural information about the Spanish speaking world and techniques for classroom implementation.
- SPAN 353 **INTRO TO LATIN AMERICAN STUDIES** (3) An introduction to Latin American Studies concentrating on historical, sociopolitical and cultural issues. Taught in English. Does not count towards major, minor, or language certification in Spanish. Fulfills the E/RS Focus elective. Pre-requisite or Corequisites PHIL 100 and THEO 111
- SPAN 399 **SENIOR PROJECT** (1) Research for senior project.
- SPAN 400 **INTRODUCTION TO HISPANIC LITERATURE** (3) An introduction to literature with a chronological study of genres and movements and analysis of excerpts from representative authors.
- SPAN 415 **HISPANIC LITERATURE IN THE CLASSROOM** (3) (SPAN615) Study of strategies for integrating literature with language and culture in the secondary Spanish classroom.

- SPAN 421 **SPANISH LITERATURE & CIVILIZATION I** (3) A chronological study of Spanish literature and civilization from medieval period through the 17th century.
- SPAN 422 **SPANISH LITERATURE & CIVILIZATION II** (3) A continuation of SPAN 421 covering the 18th and 19th centuries.
- SPAN 423 **SPANISH LITERATURE & CIVILIZATION III** (3) A continuation of SPAN 422 covering the 20th century.
- SPAN 427 **SPANISH-AMERICAN LIT & CIVILIZATION I** (3) A chronological study of Spanish-American literature and civilization from the colonial period through the 18th century.
- SPAN 428 **SPANISH-AMERICAN LIT & CIVILIZATION II** (3) A continuation of SPAN 427 covering the 19th and early 20th centuries.
- SPAN 429 **SPANISH-AMERICAN LIT & CIVILIZATION III** (3) A continuation of SPAN 428 covering the latter part of the 20th century.
- SPAN 433 **SPANISH LITERATURE OF THE GOLDEN AGE** (3) Representative author(s) and genre(s) of the 16th and 17th centuries.
- SPAN 436 **NINETEENTH CENTURY SPANISH LITERATURE** (3) Representative authors and works of romanticism, realism, and naturalism.
- SPAN 439 **TWENTIETH CENTURY SPANISH LITERATURE** (3) Representative authors and genres from the Generation of 1898 to the present day.
- SPAN 440 **HISPANIC POETRY** (3) Representative Spanish and Spanish-American poets.
- SPAN 444 **NINETEENTH CENTURY SPANISH-AMERICAN LITERATURE** (3) Representative author(s) and genre(s).
- SPAN 445 **TWENTIETH CENTURY SPANISH-AMERICAN LITERATURE** (3) Representative author(s) and genre(s).
- SPAN 450 **HISPANIC LITERATURE** (3) Analysis of excerpts from representative authors.
- SPAN 495 **DIRECTED STUDY: LANGUAGE** (1 to 3) Independent study.
- SPAN 496 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1 to 6) Independent study.
- SPAN 497 **DIRECTED STUDY: LITERATURE** (1 to 3) Independent study.

#### Graduate Courses

(Cross-listed graduate classes carry additional requirements above the stated undergraduate course description.)

- SPAN 615 **HISPANIC LIT IN THE CLASSROOM** (3) (SPAN415) Study of strategies for integrating literature with language and culture in the secondary Spanish classroom.
- SPAN 625 **HISTORY OF THE SPANISH LANGUAGE** (3) (SPAN325) Study of the evolution and development of the Spanish language from Latin to present day Spanish.
- SPAN 626 **SPANISH LANGUAGE FOR TEACHERS** (3) (SPAN326) Study of the Spanish language designed to increase knowledge and competence through discussion and practice of language usage.
- SPAN 627 **SPANISH VOCABULARY IN CONTEXT** (3) (SPAN327) Study of technical and functional vocabulary in situations of special interest to teachers and prospective teachers. Class projects include formation of vocabulary lists and lesson plans.
- SPAN 628 **PHONETICS AND DIALECTOLOGY** (3) (SPAN328) Study of the phonetic system of the Spanish language, including transcription and identification of dialectal features.
- SPAN 652 **HISPANIC CULTURE** (3) (SPAN352) An intensive course focusing on contemporary cultural information about the Spanish speaking world and techniques for classroom implementation.
- SPAN 695 **DIRECTED STUDY: LANGUAGE** (1 to 3) Independent study.
- SPAN 696 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1 to 3) Independent study.
- SPAN 697 **DIRECTED STUDY: LITERATURE** (1 to 3) Independent study.
- SPAN 700 **GRADUATE RESEARCH: SPANISH** (3) Research for the M.A.

## (STAT) Statistics

### Lower Division Courses

- STAT 200 **INTERMEDIATE BUSINESS STATISTICS** (3) Descriptive statistics, sampling and statistical inference within the context of business applications. Simple and multiple regression, including residual analysis and multicollinearity problems. Additional topics may include analysis of variance and time-series forecasting models. Pre-requisite: MATH 156, INFO 200

### Graduate Courses

- STAT 721 **STATISTICS FOR MANAGERS** (2 to 3) Models and formulas of descriptive and inferential statistics are presented using Microsoft Excel software, with an emphasis on the business applications of each. Pre-requisite: Admission to the Executive MBA program
- STAT 801 **MANAGERIAL STATISTICS** (3) Descriptive statistics, statistical inference, linear regression, auto correlation analysis and forecasting models.
- STAT 942 **STATISTICS FOR QUALITY IMPROVEMENT** (3) A broad introduction to statistical tools relevant to business quality problems. Topics include control charts and process capability studies, simple and fractional factorial experimentation, the Taguchi Method, EVOP philosophy, and an overview of acceptance sampling. Pre-requisite: STAT 801, MGMT 901, MGMT 950 recommended

## (THEO) Theology

### Undergraduate Courses

- THEO 111 **THEOLOGICAL FOUNDATIONS** (3) The nature of revelation, religion, and reform within a religious tradition; the sources, method, and value of theological reflection and the ethical consequences for living in a world community.
- THEO 203 **THE EASTERN ORTHODOX CHURCH** (3) Detailed survey of the history and belief of the Orthodox Church.
- THEO 205 **CHRISTIAN MYSTICISM** (3) A detailed survey meant to familiarize the student with the history, theology and practice of Christian mysticism as it has existed from the beginning of the Church's history to the present day.
- THEO 206 **CHRISTIAN WORSHIP** (3) Ritualization of the Christian experience in Word and Eucharist. Ritualization of Christian initiation, reconversion, marriage, ministry, illness, death, and burial. The arts in ritual.
- THEO 208 **MYSTERY OF CHRIST** (3) In a world of many religions, how can Christians continue to speak about the uniqueness of Jesus? Explored against the background of Christian scripture/tradition and contemporary interreligious dialogue.
- THEO 209 **THE CHRISTIAN TRADITION I** (3) A study of the treatment of major themes of God, Jesus, Church, sacraments, faith, spirituality, from the first century through the end of the Middle Ages.
- THEO 210 **THE CHRISTIAN TRADITION II** (3) A study of the treatment of themes mentioned in THEO 209 from the end of the Middle Ages to the twentieth century.
- THEO 213 **CONTEMPORARY PROTESTANT THEOLOGY** (3) An overview of Protestant theological thinking, with a particular focus on trends and leading Protestant theologians of the 20th and 21st centuries.
- THEO 217 **INTRO TO THE CHURCH FATHERS** (3) (CLAS217) The Fathers of the first five centuries. The Church's defense against pagans and heretics. Confrontation with the Empire. Development of doctrine.
- THEO 219 **CHRISTIANITY IN THE AMERICAS** (3) This course surveys the history, belief, lifestyle, ritual, and organization of various Christian groups in the United States. The survey of these Christian groups will be complemented by investigation into specific spiritual journeys of individual citizens. Throughout the course special

- attention will be given to justice issues, including the role of women and matters of race.
- THEO 222 **CHRISTIAN LIFE AND CELEBRATION** (3) Theology of the Christian life; liturgy, religious psychology, secular involvement, the Christian virtues, prayer, Christian community.
- THEO 223 **SACRAMENTS TODAY** (3) Meaning of sacraments in general and Catholic sacraments in particular. Historical and theological development of the seven ecclesiastical sacraments and their place in contemporary liturgical, pastoral, and spiritual renewal.
- THEO 224 **SAINTS & HERETICS** (3) Explores the relationship between heterodoxy and orthodoxy in the development of Christian doctrine.
- THEO 225 **HISTORY OF CHRISTIAN MONASTICISM** (3) Designed to introduce the variety of forms of Christian piety and their influence on the development of the Western Christian tradition. Special attention to developments in Christian monasticism during the third, twelfth/thirteenth, sixteenth, and twentieth centuries.
- THEO 227 **THE CATHOLIC REFORMATION** (3) This course examines the development of the Catholic tradition in the sixteenth century, identifying elements of change and continuity as Europe faced challenges of religious reform, nationalism, and political upheaval.
- THEO 229 **WHY A CHURCH?** (3) This course explores the need for and origin of the church. It also examines contemporary theories about the proper tasks and mission of the church in the context of individual and social needs.
- THEO 230 **CHURCH AFTER VATICAN II** (3) A study of the major themes and persons of Vatican II in their historical context. Special attention to how the Council's major themes continue to affect church and society.
- THEO 232 **APPROACHES TO GOD** (3) Divine transcendence and the possibilities of human knowledge and experience of God. Contemporary problems of belief, unbelief, atheism, and images of God.
- THEO 233 **UNDERSTANDING CATHOLICISM** (3) A study of the central Catholic doctrines, showing the historical conditions from which they arose and discussing their meaning for thoughtful people today.
- THEO 234 **THE REFORMATION** (3) Protestant, Catholic, and "Anabaptist" attempts to revitalize a Christianity insufficiently Christian.
- THEO 237 **THE PAPACY** (3) Study of the origin of the papacy and its later historical development, with attention to the theological, social, and political dimensions of the institution.
- THEO 238 **US CATHOLICISM: PAST & PRESENT** (3) Explores the role of the Catholic Family, the response of Catholics to slavery and racism, the development of Catholic schools, the encounter of Catholicism with the larger culture, the tradition of Catholic social justice, and the growth of the local Ohio church.
- THEO 239 **CHURCH AND REVOLUTION** (3) A study of the development of the Church's social teachings as they apply to political issues. Special attention to the revolutions and revolutionaries of modern times.
- THEO 241 **BIBLICAL GREEK** (3) (GREK241) Study of the language and theology of the Greek New Testament. Pre-requisite: GREK 101, GREK 102 or equivalent
- THEO 244 **HISTORY OF THE EARLY CHURCH** (3) Study of the formation and development of the Christian community and its beliefs and practices from the end of Jesus' public ministry to the beginning of the Middle Ages.
- THEO 245 **GOD, CREATION & ECOLOGY** (3) To better understand the environment and the harm being done to it. To better integrate Christian beliefs with environmental concerns.
- THEO 248 **THE ENGLISH REFORMATION** (3) (HIST368) An examination of the historiography of the English Reformation and of the political, social, and religious backgrounds of the reformation in England from the late Middle Ages through the reign of Elizabeth I.

- THEO 249 **GOD IN EVOLUTION** (3) The possibilities offered by process theology for a contemporary interpretation of traditional Christian belief in the Trinity, Creation, Redemption, Church, and Sacraments.
- THEO 250 **INTRO TO SCRIPTURE** (3) Introduction to historical, literary, and religious development of both Old and New Testaments with emphasis on the use of the tools of scripture study (One section limited to majors and other interested and qualified students.)
- THEO 251 **OLD TESTAMENT THEOLOGY** (3) An introductory exploration of the theological issues and themes of the Old Testament from a Christian perspective.
- THEO 252 **NEW TESTAMENT THEOLOGY** (3) An historical investigation of one or more leading ideas emerging from the early Jesus movement.
- THEO 253 **PSALMS AND WISDOM LITERATURE** (3) Study of the psalms: their literary composition and theological content; and of the writings of the Old Testament which have the perspective of wisdom, such as Job, Ecclesiastes, Sirach.
- THEO 255 **OLD TESTAMENT PROPHETS** (3) A study of the writings of Israel's prophets with special attention given to the historical period, religious content, and uniqueness of each prophet.
- THEO 258 **THE BIBLE AND ANTI-JUDAISM** (3) Critical study of anti-Jewish elements in the Bible and exploration of ways to interpret them and to address their implications.
- THEO 259 **HEALING DEADLY MEMORIES I** (3) An intensive investigation into the roots of anti-Semitism in the New Testament.
- THEO 260 **HEALING DEADLY MEMORIES II** (3) An exploration of theological and social consequences of the search for anti-Semitism in the New Testament.
- THEO 261 **WRITINGS OF ST PAUL** (3) A close reading of the Pauline letters within their social and historical situation; the contribution of Paul towards the formation of revolutionary consciousness.
- THEO 262 **COMMUNITY OF BELOVED DISCIPLE** (3) An analysis of the Gospel and Letters of John in light of the historical and theological developments of the Johannine community.
- THEO 263 **THE PARABLES: A WORKSHOP** (3) What is a parable? Which ones are authentic? What are the sources for Jesus' parables? What image of Jesus emerges from this search? Can we still speak in parables today?
- THEO 264 **SYNOPTIC GOSPELS** (3) Comparison of the basic theology of Mark, Matthew, and Luke with an analysis of the milieu out of which the gospel message arose and was transmitted.
- THEO 265 **GOSPEL OF MARK** (3) Analysis of the Gospel of Mark in light of its historical, literary, and theological context.
- THEO 266 **GOSPEL OF MATTHEW** (3) Study of this Jewish-Christian Gospel as an alternative to Rabbinic Judaism. Emphasis on the pursuit of wisdom and justice.
- THEO 268 **SEM: PAUL & ANTI-JUDAISM** (3) Was Paul a primary reason for the separation of Jesus believers from their Jewish matrix? How can Paul be critically read today?
- THEO 271 **NEW TESTAMENT CHRISTOLOGY** (3) An historical investigation into the ways early Jesus believers understood Jesus.
- THEO 272 **NEW TESTAMENT ETHICS** (3) (THEO572) Through a critical examination of selected New Testament texts this course attempts to answer the challenge: Can the NT still speak to the moral crises today?
- THEO 274 **SEM: WORSHIP IN NEW TESTAMENT** (3) An historical consideration of how the early Jesus believers worshipped in the ancient world.
- THEO 275 **BOOK OF REVELATION** (3) Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture (especially U.S.).
- THEO 276 **HISTORY OF CHRISTIAN THOUGHT I** (3) History of Christian thought until the beginning of the sixth century. Special attention to the development of the doctrines of God, Christ, and human person in the work of early councils and early theologians.

- THEO 277 **HISTORY OF CHRISTIAN THOUGHT II** (3) History of Christian thought from the sixth to sixteenth century. Special attention to the development of doctrine in the thought of Anselm of Canterbury, Hildegard of Bingen, Thomas Aquinas, Bonaventure, and Julian of Norwich.
- THEO 278 **HISTORY OF CHRISTIAN THOUGHT III** (3) History of Christian thought from the Reformation to the middle of the eighteenth century. Christian humanism, Luther, Calvin, Council of Trent, deism.
- THEO 279 **HISTORY OF CHRISTIAN THOUGHT IV** (3) History of Christian thought from the middle of the eighteenth century to beginning of twentieth century, with special attention to the challenges of science and philosophy to religion. Schleiermacher, Hegel, Newman, theological liberalism, development of doctrine, atheistic critiques.
- THEO 282 **SEM: JESUS SEMINAR** (3) An investigation into the historical authenticity of the Jesus traditions through intensive group work and debate.
- THEO 289 **DEATH OF JESUS** (3) The greatest detective story ever told? This course deals critically with the who, what, when, why and how of the death of Jesus of Nazareth.
- THEO 290 **CHRISTIAN DOCTRINE TODAY** (3) A study of contemporary systematic issues or figures. (For majors and other qualified students.)
- THEO 295 **SENIOR SEMINAR: IDEAS & METHODS** (3) Review of different theological methodologies and their implications for the church and for the doctrines of God and Christ.
- THEO 303 **CHRISTIAN ETHICS: METHODS & QUES** (3) Introduction to the methods and central questions of Christian ethics. (Limited to majors and other interested and qualified students.) Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: THEO 111, PHIL 100
- THEO 304 **AIDS: AN ETHICAL INQUIRY** (3) Exploration of the ethical dilemmas rooted in the medical, social, political, and cultural reality of AIDS.
- THEO 305 **SOCIOLOGY OF RELIGION** (3) (SOCI216) Examination of the major components of religion, the interdependence between religion and other societal institutions, and religion's role in social conflict and change.
- THEO 306 **LIBERATION ISSUES & THEOLOGY** (3) Origins and developments of the theology of the liberation movements of women, Latin Americans, blacks, and other marginalized groups.
- THEO 310 **MARRIAGE AND THE FAMILY** (3) (PSYC310, SOCI310) A practical overview of marriage in light of Church tradition and insights from contemporary studies. Team-taught with the interaction of a psychologist, sociologist, and theologian.
- THEO 311 **FAITH AND JUSTICE** (3) Relationship between Christian faith and social justice viewed in Christian tradition and recent thought and documents of the Church. Fulfills the E/RS Focus Elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- THEO 312 **CHRISTIAN HEALTH CARE ETHICS** (3) Evaluation of the options open within medicine- from structuring a health care policy which benefits all equally to deciding on humane ways of dying. Fulfills the E/RS Focus elective.
- THEO 313 **CHRISTIAN SEXUAL ETHICS** (3) Ethical criteria Christians use in judging human sexuality from its origins throughout its development. Sex role socialization and common options in sexual behavior. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- THEO 315 **CONTEMPORARY ETHICAL ISSUES** (3) Current issues in light of Christian faith. See course description for specific issues to be studied in a particular semester. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- THEO 317 **WAR AND PEACE** (3) Survey of Church teaching on war and peace, followed by analysis of contemporary social and religious movements with regard to peace and war. How are Christians called to peace?

- THEO 321 **MEDITATION: THEORY & PRACTICE** (3) Exploration of contemporary theories of meditation and their practical implications for Christian spirituality and prayer.
- THEO 322 **BLACK CHURCH IN THEOLOGY** (3) An interior view into the Black theological experience. Need to look at theology from a black perspective. Roots of the Black Church as its response to bigotry in white churches and society.
- THEO 323 **AFRICAN SPIRITUALITY** (3) The aim of this course is to disclose and articulate the basic world views that mold African Traditional Spiritual unfolding and the consequent foundational and formative element in the ongoing disclosure and emergence of an African's humanity (spirituality).
- THEO 324 **RUSSIAN RELIGIOUS MIND** (3) A history of Orthodox Theology from the Byzantine Empire through the Middle Ages up to the present age.
- THEO 325 **CONTEMPORARY SPIRITUALITY** (3) Introduction to contemporary Christian approaches to creation spirituality, modern mysticism, conversion, and a spirituality of wholeness.
- THEO 326 **WOMEN AND RELIGION** (3) Exploration of woman's nature and role in religion and society as described within different religious traditions. Special attention will be given to recent developments in Christian feminist theology. Fulfills E/RS Focus elective.
- THEO 331 **FAITH & DOUBT IN MODERN LIT** (3) Study of questions of religious faith and doubt in contemporary western literature.
- THEO 333 **JESUS IN FAITH & FICTION** (3) Modern fiction as it illuminates and is illuminated by the study of the Jesus of the gospels and of contemporary Christology.
- THEO 334 **PROPHETS OF NON-VIOLENCE** (3) Exploration of the life and teachings of Dorothy Day, Mohandas Gandhi, and others and their implications for contemporary spirituality and theology.
- THEO 336 **SPIRITUALITY AND HEALING** (3) This course will investigate cultural, social, scientific and religious attitudes concerning the body and healing. Principles and processes of healing will be examined from contemporary post-modern view and from religious texts, traditions and doctrine.
- THEO 338 **RELIGIOUS EDUCATION: THEORY & PRACTICE** (3) An examination of the key dimensions of religious education and contemporary methods of teaching religious education.
- THEO 343 **DIALOGUE AMONG WORLD RELIGIONS** (3) The foundations for a greater ecumenism among all religions; how Christians can come to a more positive attitude towards other religions.
- THEO 344 **FAR EASTERN RELIGIONS** (3) An attempt to understand and to enter into the experience behind the teachings and practices of the Eastern religions: Hinduism, Buddhism, Confucianism, Taoism, Zen.
- THEO 345 **THE CHALLENGE OF PEACE** (3) (POLI344) In-depth exploration of the personal, political, practical, and spiritual aspects of peace.
- THEO 346 **HUMAN COMMUNITY: NEEDS & RIGHTS** (3) Study of the theological and socioeconomic foundations of human community and of the concepts of justice and human rights. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: THEO 111, PHIL 100
- THEO 350 **GOD ON THE UNDERGROUND RAILROAD** (3) Course explores the role of faith in the antebellum movement of slaves toward freedom along what came to be known as the Underground Railroad. The spiritual journey of numerous slaves, slaveholders, and so-called friends of the fugitive (both white and black agents of the Underground Railroad) will be traced in order to illustrate the role that God played in this quest for justice. Pre-requisite: THEO 111
- THEO 352 **JUDAISM: CUSTOMS, PRACTICES & BELIEFS** (3) A basic understanding of Judaism and its component parts. Brief overview of Jewish history and study of holidays and life-cycle experiences. (Sponsored by the Jewish Chautauqua Society.)

- THEO 353 **THE HOLOCAUST** (3) The Holocaust in Europe during the Hitler period. Analysis of the causes and background of the destruction of European Jewry. (Sponsored by the Jewish Chautauqua Society.)
- THEO 355 **ISLAM** (3) An historical and topical survey of the origins and development of Islam. Special emphasis on the emergence of Sunnism, Shiism, and Sufism as three distinct yet interrelated schools of thought and practice in Islam.
- THEO 364 **RELIGION IN AN AGE OF SCIENCE** (3) Study of the recent findings of contemporary science concerning creation and human nature and the implications of these findings for Christian theology. Fulfills the E/RS Focus elective.
- THEO 388 **THEOLOGY & ECOLOGY** (3) Exploration of the philosophical and theological issues underlying a sane approach to the protection of all life-forms within a finite world in which hard choices frequently have to be made.
- THEO 391 **DIALOGUE & GLOBAL RESPONSIBILITY** (3) This course explores how the state of the world, its needs and crises, is calling all religions to learn from and to cooperate with each other in creating a world of greater social and ecological justice and well-being. Pre-requisite: THEO 111
- THEO 495 **DIRECTED STUDY** (3) An undergraduate course of study done on an individual basis with a professor.

#### Graduate Courses

- THEO 502 **CHRISTIAN TRADITION & TASK OF UNDERSTANDING** (3) Enables the student to confront fundamental elements of the Christian tradition and to become aware of the need for a critical methodology.
- THEO 504 **FOUNDATIONS OF SCRIPTURE STUDY** (3) Introduction to the literary, historical, and religious context of the Hebrew Bible and the New Testament.
- THEO 505 **GOSPEL OF MARK** (3) In-depth analysis of the Gospel of Mark in light of historical, literary, and theological context. Present-day dialogue with the Gospel's fundamental theological questions.
- THEO 506 **FOUND ISSUES IN CHRISTIAN ETHICS** (3) An introduction to Christian ethics, exploration of basic methodological questions, and discussion of selected contemporary issues.
- THEO 508 **ANCIENT CHRISTIAN GOSPELS** (3) An intensive exploration of the multiple gospel traditions.
- THEO 509 **PAUL: OUR BROTHER, OUR BETRAYER?** (3) Was Paul a traitor to Judaism? Did he intend to found a new religion? Or, was he a messianic Jew?
- THEO 511 **PAUL'S CONCEPT OF COMMUNITY** (3) Dialogue on three levels: with Paul, with our own traditional understandings of community, and our present communal experience.
- THEO 512 **NEW TESTAMENT FOUNDATIONS FOR LAITY** (3) As mainline Christian institutions falter and struggle, what can the emerging laity learn from a study of early Christian writings?
- THEO 515 **PROPHETIC FAITH IN ISAIAH** (3) A study of the Book of Isaiah with particular emphasis on the themes of covenant and faith. The writings of Isaiah and prophetic faith will be discussed in the light of their significance for our time.
- THEO 517 **JEREMIAH: PROPHET JUST SOCIETY** (3) A study of the prophet, his time and the religious background of his ministry and preaching. An attempt will be made to show the relevance of Jeremiah in today's world.
- THEO 518 **EXILIC AND POST-EXILIC PROPHETS** (3) Study of the historical setting, the literary styles, and the religious concerns of the prophets Jeremiah, Ezekiel, and Second Isaiah.
- THEO 520 **SURVEY OF CHRISTIAN DOCTRINE I** (3) An introduction to the evolution of Christian thought from the first century to the late Middle Ages in four areas of theology: the nature of God, the person of Christ, the nature of humanity, and the structure and mission of the church.
- THEO 524 **SURVEY OF CHRISTIAN DOCTRINE II** (3) An introduction to the evolution of Christian thought, from the late Middle Ages to the present in four areas of

theology: the nature of God, the person of Christ, the nature of humanity, and the structure and mission of the church.

- THEO 525 **LITURGICAL THEOLOGY** (3) This course explores the theological/pastoral issues inherent in the understanding and practice of Christian worship: Word and Eucharist, initiation, reconciliation, among others.
- THEO 530 **CONTEMPORARY CHRISTOLOGIES** (3) A study of various systematic approaches to the mystery of Christ and specific Christological models.
- THEO 531 **GOD: PROBLEM & MYSTERY** (3) Basic themes of the theological treatise on God (existence of God, atheism, creation, the Trinity) discussed within the context of fundamental questions of life (anxiety, death, evil, hope, and fulfillment).
- THEO 532 **APPROACHES TO GOD** (3) After briefly reviewing the historical development of the classic formulation of the Christian doctrine of God, this course will explore a variety of contemporary approaches for understanding God. Approaches to be considered may include neo-orthodox, post-liberal, liberationist, and feminist approaches. Topics to be considered include the reality of God; images of God; experience, scripture, hermeneutics and the God question; God and inter-religious dialogue.
- THEO 533 **THE UNIQUENESS OF CHRIST** (3) The course will explore how Christians can affirm the uniqueness of Jesus in a world of newly experienced religious pluralism.
- THEO 534 **PROTESTANT THEOLOGY** (3) An exploration of important themes and issues in Protestant theology, including both classical and contemporary authors. The course may also include a comparison of the distinctiveness of Protestant theology in relation to Catholic theology.
- THEO 537 **PILGRIMAGE TO ITALY** (3) Visit and reflect on the art, churches, spirituality and history of Italy. We will visit Rome and see the Catacombs, St. Peter's, St. Paul's, the Sistine Chapel and much more. We then proceed to Assisi to experience the spirit of St. Francis in this extraordinary area. Then on to Florence to see the magnificent art of Fra Angelico, Michaelangelo and Leonardo Da Vinci. We finish in Venice to see the great Basilica of St. Mark and the other wonderful sights of the area.
- THEO 540 **MODERN CATHOLIC SOCIAL TEACHING** (3) Papal and episcopal social teaching since Leo XIII (1878). Includes employer-employee relations, poverty, democracy, socialism, Church-State relations, economics, human rights of all kinds.
- THEO 544 **HEALTH CARE ETHICS** (3) Critical examination of health care theory and praxis in light of Christian social thought and moral theology.
- THEO 545 **MORAL THEOLOGY SINCE VATICAN II** (3) Recent developments in Christian ethics: methods in moral decision-making, conscience and authority, sexuality, human rights, divorce, business, bioethics, war and the arms race.
- THEO 548 **BIOETHICS** (3) This course begins with reflection on moral methodology, then moves to specific questions such as reproductive technology, genetics, physician-patient relationship, end-of-life issues, and the many justice questions related to health care systems.
- THEO 552 **SOCIOLOGY OF RELIGION** (3) Examination of the major components of religion, the interdependence between religion and other societal institutions, and religion's role in social conflict and change.
- THEO 553 **PSALMS AND WISDOM LITERATURE** (3) In-depth study of the prayers used by Israel in public and private worship; and of the Wisdom literature of Israel, with emphasis on Job, Proverbs, Ecclesiastics, and Sirach.
- THEO 555 **PSYCHOLOGY OF RELIGION** (3) (PSYC285) An exploration of the affective, cognitive, and subconscious dimensions of religious phenomena, including belief and faith, myth and symbol, the quest for meaning, and individual and social needs.
- THEO 558 **SPIRITUALITY & MYSTICISM** (3) This course enables the students to explore the mystical traditions and their implications for theology and spirituality.
- THEO 559 **CHRISTIAN SPIRITUALITY: PAST & PRESENT** (3) History of Christian spirituality and themes of contemporary spirituality.

- THEO 561 **EARLY CHURCH THEOLOGY** (3) Study of the origin of theological reflection and its development during the first seven centuries of the church's life. Exploration of the theology of figures such as the Apologists, Origen, Tertullian, and Augustine.
- THEO 564 **KEY THEMES HIST OF CHRISTIAN THINKING** (3) Examination of how significant theologians in different centuries have dealt with major issues. Representative figures include Origen, Augustine, Anselm, Aquinas, Luther, and Calvin.
- THEO 565 **MYSTICISM EAST-WEST** (3) The course will explore the significance of mysticism for the Church and the modern world by studying the writings of Eastern and Western mystics and by relating mystical experience to the findings of modern science.
- THEO 567 **DIALOGUE AND ECOLOGY** (3) Review of present-day efforts of Christians to develop an ecological theology and exploration of how contemporary Buddhists are reinterpreting their tradition to show how Buddhism has special resources for an ecological consciousness and ethic.
- THEO 570 **PROCESS THEOLOGY** (3) Evaluation of the use that contemporary theologians are making of process philosophy to reinterpret Christian tradition.
- THEO 572 **NEW TESTAMENT ETHICS** (3) (THEO272) Through a critical examination of selected New Testament texts this course attempts to answer the challenge: can the NT still speak to the moral crises today?
- THEO 573 **CATHOLICITY, PLURALISM, DISSENT** (3) Critically examines what it means for the church to be "catholic" in light of the many alternative conceptions of Christian existence and the current tension between some segments of the American church and the Vatican.
- THEO 575 **THEOLOGY AND ECOLOGY** (3) A study of Christian doctrines, scripture and morality as they relate to environmental issues.
- THEO 577 **RELIGION IN AN AGE OF SCIENCE** (3) Ian Barbour notes that there are four possible attitudes toward the relationship between religion and science: conflict, independence, dialogue and integration. This course will review all four attitudes, both in their historical development and contemporary context, and thus allow the student consciously to adopt his/her personal stance.
- THEO 581 **FAITH & DOUBT IN MODERN LIT** (3) Explanation of attitudes of faith and doubt in significant works of modern literature, philosophy, and theology.
- THEO 584 **PRAYING THE PSALMS** (3) This workshop will explore the use of the Psalms as a spiritual resource. Students will learn some classical and innovative approaches to the interpretation of the Psalms, including some attempts to reconstruct their use in the life of Ancient Israel. The workshop will also explore how the Psalms have been and are used in the life of the church; in personal piety, communal liturgy, preaching and daily prayer.
- THEO 591 **THEOLOGY OF KARL RAHNER** (3) Analysis and discussion of key concepts in Rahner's thought: The human person, God, grace, Jesus Christ, Church and the Sacraments.
- THEO 595 **CHRISTIAN ESCHATOLOGY** (3) A review of the classical concepts of Christian Eschatology (death, judgement, heaven and hell) and of various contemporary approaches to the same material: e.g., belief in resurrection and personal immortality in the light of contemporary neuroscience, the end of the world from both a theological and scientific perspective, time and eternity, etc.
- THEO 600 **HUMAN RELATIONS** (3) Study of the theological and social foundations of human community, with special attention to topics such as human dignity, mutuality, human rights and obligations in relationships.
- THEO 606 **LIBERATION THEOLOGY** (3) Examination of the theological reflection arising in Latin America. Includes consideration of basic Christian communities, scripture as method of conscientization, and persecution of the witnessing Church.
- THEO 612 **INDIVIDUALISM & THE COMMON GOOD** (3) Study of American individualism and its ethical implications in the light of the work of Robert Bellah and others.
- THEO 657 **WOMEN MYSTICS** (3) Studies the influence of religious women throughout the history of Christianity through a reading of women's mystical treatises.

- THEO 666 **BOOK OF REVELATION** (3) (THEO275) Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture.
- THEO 672 **THEOLOGY & CULTURE TO 1400** (3) A historical review of the development of doctrine during the ancient and medieval periods as contextualized by eastern and western Christianity. Themes to be explored include Christology, mysticism, ecclesiology, and the development of orthodoxy.
- THEO 674 **THEOLOGY & CULTURE SINCE 1700** (3) Traces the interaction of Christian thought and modern consciousness from the eighteenth century to Vatican II. Special attention to the challenges posed to Christian theology by the rise of historical consciousness, the discoveries of the natural sciences, and the development of modern philosophy and psychology.
- THEO 676 **AMERICAN CATHOLIC HISTORY** (3) This course was inspired in part by Joseph Bernadin, who when Archbishop of Cincinnati stated in 1975: "Our past and our present, like the past and present of any nation, present a canvas of contrasting light and shadow, virtue juxtaposed with vice. We should not gloss over our failings, but neither should we fail to celebrate our achievements." Recognizing both weaknesses and strengths within the American Catholic Church, this course explores from an historical perspective the question, "What does it mean to be Catholic in the United States?" Both the power of reason and imagination will be engaged when addressing this question.
- THEO 688 **SPIRITUALITY & TRANSFORMATION** (3) An exploration of contemporary spirituality with an eye toward the transformation of mind, body, and spirit.
- THEO 689 **HEARING THE PARABLES** (3) An intensive investigation of the parable tradition. What does it mean to say that Jesus spoke in parables?
- THEO 691 **HEALING DEADLY MEMORIES I** (3) (THEO 259) An intensive investigation into the roots of anti-Semitism in the New Testament.
- THEO 692 **HEALING DEADLY MEMORIES II** (3) An exploration of the theological and social consequences of the search for anti-Semitism in the New Testament.
- THEO 695 **SPECIAL STUDY** (3) A graduate course of study done on an individual basis with a professor.
- THEO 699 **MASTERS THESIS** (6) Research project to be done as a partial requirement of Theology Master's degree.

## (UNST) University Studies

- UNST 100 **E PLURIBUS UNUM** (1) Introduces students to the opportunities cultural diversity presents, and to the issues of stereotyping, prejudice and discrimination and their relation to the exercise of power in American society. Fulfills the Cultural Diversity Elective requirement.
- UNST 300 **SERVICE LEARNING: NICARAGUA** (3) An interdisciplinary course that is a component of an immersion semester of study in Nicaragua. The guided service experience functions as the medium through which learning occurs. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- UNST 301 **SERVICE LEARNING: URBAN** (3) An interdisciplinary course that is a component of an immersion semester of study in an urban setting. The guided service experience functions as the medium through which learning occurs. Fulfills the E/RS Focus elective. Pre-requisite or Co-requisite: PHIL 100, THEO 111
- UNST 302 **SERVICE LEARNING: NEPAL** (3) An interdisciplinary course that is a component of an immersion semester of study in Nepal. The guided service experience functions as the medium through which learning occurs. Pre-requisite or Co-requisite: PHIL 100, THEO 111

Picture #4