

Health Services Administration (HESA)

Graduate Courses

- HESA 501 **HEALTH CARE FINANCIAL ACCOUNTING** (3) Presents the basic concepts of accounting at an intensive level for those students who lack extensive background in this area. (pass/fail grading)
- HESA 522 **MARKETING IN HEALTH CARE ORGANIZATIONS** (3) Examines the application of marketing concepts, functions, and policies to health services. Prerequisites: HESA 612, HESA 614, and HESA 615.
- HESA 525 **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 530 **REIMBURSEMENT SYSTEMS** (1) Studies revenue flows under government and private third party payment systems, the nature of the insurance function in health care and regulatory effects on revenue. Examines the effects of various provider payment systems on costs and quality of provider services. (Dual-degree students only.)
- HESA 535 **ADMINISTRATION OF AGENCIES SERVING THE AGED** (3) Examines and evaluates the range and relationship of community services, both existing and proposed, for chronically ill patients and an aging population. Prerequisite HESA 525.
- HESA 536 **CORPORATE ETHICAL ISSUES IN HEALTH CARE** (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. Prerequisite: HESA 644.
- HESA 538 **AMBULATORY AND MANAGED CARE SYSTEMS** (3) Covers fundamental knowledge and skills regarding interacting with and operating managed care organizations. Organized structures commonly encountered are described. Risk assessment and application of related concepts are discussed and applied. Projects are completed using problems from both the health care providers and insurers related to managed care. Prerequisites: HESA 614 and HESA 615.
- HESA 541 **ADVANCED QUALITY IMPROVEMENT METHODS** (3) Applies quality improvement practices including total quality management and quality function deployment to service organizations at an advanced level. Prerequisite: HESA 621.
- HESA 542 **POLITICS IN HEALTH CARE** (1) Applies the concepts and dynamics of power, authority, and influence to legislative and lobbying processes.
- HESA 545 **ADMINISTRATION OF INSTITUTIONS SERVING THE 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. Prerequisite: HESA 525.
- HESA 550 **MARKETING IN A MANAGED CARE ENVIRONMENT** (2) The use of marketing concepts, functions and policies within the current managed care-oriented health care environment are examined. The current role of marketing within provider and health insurance organizations, development of marketing plans, the operational marketing issues, and development of the marketing mix are discussed. Use of data sources on the Internet and software/databases related to health care marketing are utilized in class experiences and in a project. Prerequisite: HESA 615.
- HESA 560 **MEDICAL GROUP AND PHYSICIAN PRACTICE 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. Prerequisites: HESA 615 and HESA 622.
- HESA 601 **EXECUTIVE DEVELOPMENT I** (0) Focuses on the development and enhancement of the personal and interpersonal skills required to assume managerial leadership positions within health care organizations.

- HESA 602 **EXECUTIVE DEVELOPMENT II** (0) Continuation of HESA 601.
- HESA 603 **EXECUTIVE DEVELOPMENT III** (0) Continuation of HESA 602.
- HESA 604 **EXECUTIVE DEVELOPMENT IV** (0) Continuation of HESA 603.
- HESA 610 **CORPORATE FINANCE FOR HEALTH CARE ORGANIZATIONS** (3) Examines basic concepts and techniques used by health care organizations to analyze revenue flows, acquire funds through debt and equity, manage working capital and perform capital budgeting. Prerequisite: HESA 501 or its equivalent.
- HESA 611 **MANAGERIAL CONCEPTS IN HEALTH CARE ORGANIZATIONS** (3) Discusses the underlying principles and behavioral theory as applied to the development of managerial and team work skills for health services administrators.
- HESA 612 **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 614 **COMMUNITY HEALTH AND MEDICAL CARE ANALYSIS** (3) Provides the fundamental knowledge and skills useful to health services managers related to community health and epidemiologic analyses. Approaches to technology assessment are covered and students are introduced to the application of epidemiologic literature in health services management through an applied project. Prerequisites: HESA 616 and HESA 631.
- HESA 615 **HEALTH CARE SYSTEMS** (3) Analyzes the U.S health care system, focusing on delivery settings and the effects of biological, behavioral, societal, organizational, and environmental factors.
- HESA 616 **CLINICAL PROCESSES FOR HEALTH CARE ADMINISTRATORS** (3) Introduces the basic concepts and issues of clinical practice, develops an understanding of terminology and disease processes, increases an awareness of underlying clinical issues and the types and roles of clinicians, and provides an understanding of the individual issues of patients and their caretakers. Prerequisite: Consent of instructor.
- HESA 620 **MANAGEMENT ACCOUNTING FOR HEALTH CARE** (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. Prerequisites: HESA 501 or equivalent and HESA 615 (HESA 615 may be taken concurrently).
- HESA 621 **CONTINUOUS QUALITY IMPROVEMENT TECHNIQUES IN HEALTH CARE MANAGEMENT** (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. Prerequisites: HESA 611 and HESA 631.
- HESA 622 **THEORY IN PLANNING AND STRATEGIC MANAGEMENT** (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.
- HESA 625 **HEALTH CARE ORGANIZATIONS** (3) Examines the operations of health care organizations to enable the administrator to organize and coordinate the efforts of various services to achieve cost-effective patient care.
- HESA 630 **FINANCIAL MANAGEMENT OF HEALTH CARE 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. Prerequisites: HESA 610 and HESA 620 (or for dual students, ACCT 901 and FINC 901).

- HESA 631 **QUANTITATIVE METHODS FOR HEALTH CARE MANAGEMENT** (3) Discusses the nature and application of various quantitative methods for analyzing and improving organizational systems and processes within the health care field.
- HESA 632 **OPERATIONS RESEARCH IN HEALTH CARE MANAGEMENT** (3) Discusses the techniques of linear programming, inventory control, queuing analysis, PERT/CPM, simulation, and statistical forecasting and their application to health services management. Prerequisite: HESA 631.
- HESA 642 **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. Prerequisite: HESA 615.
- HESA 644 **ETHICAL ISSUES IN HEALTH CARE** (3) Introduces the student to dominant ethical theories and applicable principles and to the current major clinical and corporate issues in health care. Prerequisites: HESA 612 and HESA 615.
- HESA 649 **CASES IN STRATEGIC MANAGEMENT** (3) Integrates management issues in ambulatory care, long-term care, inpatient care, and mental health settings with application of the concepts and techniques of organizational behavior, planning, finance, and control. Prerequisites HESA 610, HESA 614, HESA 615, and HESA 622.
- HESA 650 **HEALTH POLICY AND POLICY ANALYSIS** (3) 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. Prerequisites: HESA 612 and HESA 615.
- HESA 700 **ISSUES IN HEALTH CARE** (2-4) Examines current issues in the organization, delivery, financing, and management of health care services.
- HESA 710 **INDEPENDENT STUDY IN HEALTH ADMINISTRATION I** (1-3) 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 **INDEPENDENT STUDY IN HEALTH ADMINISTRATION II** (1-3) Continuation of HESA 710.

Administrative Residency/Practicum

- HESA 720 **INSTITUTIONAL AND 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 731 **PRACTICUM IN EXECUTIVE DEVELOPMENT II** (1) Continuation of HESA 730.
- HESA 750 **MASTER'S PROJECT I** (2-3) 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** (2-3) Continuation of HESA 750.
- HESA 752 **MASTER'S PROJECT III** (2-3) Continuation of HESA 751.
- HESA 753 **MASTER'S PROJECT IV** (2-3) Continuation of HESA 752.

History (HIST)

Lower Division Courses

- HIST 105 **WORLD CIVILIZATION I** (3) A survey of pre-1500 world societies with an emphasis on non-western cultures.
- HIST 106 **WORLD CIVILIZATION II** (3) A survey of world societies since 1500 with an emphasis on non-western cultures. Prerequisite: HIST 105.
- HIST 123 **AFRICAN CIVILIZATIONS I** (3)
- HIST 124 **AFRICAN CIVILIZATIONS II** (3) Prerequisite: HIST 123.
- HIST 133 **WESTERN CIVILIZATION I** (3) A topical survey of Western Civilization from Greece to the Reformation emphasizing aspects of political, social and cultural history.
- HIST 134 **WESTERN CIVILIZATION 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. Prerequisite: HIST 133.
- HIST 143 **UNITED STATES TO 1865 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 **UNITED STATES SINCE 1865 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. Prerequisite: HIST 143.
- HIST 154 **WAR AND PEACE IN THE MODERN WORLD** (3) Survey of Europe and America since 18th century with special emphasis on political, cultural, economic and strategic issues related to war and peace. Prerequisite: HIST 105, HIST 133, or HIST 143. Fulfills E/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.

Upper Division Courses

- HIST 210 **AMERICAN DEMOCRACY: HISTORY & PRACTICE** (3) An historical and practical investigation of American democracy.
- HIST 245 **CINCINNATI HISTORY AND POLITICS** (3) (POLI 211, SOCI 246) A political history of Cincinnati with an analysis of contemporary urban politics.
- 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 THE REPUBLIC, 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 AND 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) A brief overview of the historical development of the American economy, examines in depth such topics as industrialization and its discontents, the rise and demise of slave labor, and the economic history of women.
- HIST 325 **BLACK AMERICA SINCE 1865** (3) (ENGL 358) 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 **THE HISPANIC MINORITY IN U.S. 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 332 **BEER, BASEBALL AND 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 1990's.
- 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 AND 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 COLOMBIA** (3) Traces the 19th and 20th century history of those countries that remain of the great dream of South American unity of Simon Bolivar - Colombia, Venezuela, Ecuador.
- HIST 344 **CONTEMPORARY LATIN AMERICA** (3) Emphasizes late 19th and 20th century realities in Latin American history - Dependency Economics, dictatorships, debts, 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 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, Zwinglie, 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, and social 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) 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 19th and 20th century British Empire.
- HIST 372 **VICTORIAN AND 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 379 **FRANCE: THE THIRD REPUBLIC** (3) French history, 1870 - 1945.
- 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 **USSR SINCE 1917** (3) 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) A survey from about 1700 to the present.
- 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 402 **SEMINAR: 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.
- HIST 405 **SEMINAR: AMERICAN REVOLUTION** (3) A study of the causes and issues which contributed to the coming and character of the American Revolution.
- HIST 410 **SEMINAR: URBAN AMERICA** (3) Examines the impact of urbanization on American thought, culture and society between the Civil War and the Great Depression.
- HIST 412 **SEMINAR: SHAPING OF AMERICAN CHARACTER** (3) By focusing on cultural, social, and intellectual matters, this course studies various interpretations of American character.
- HIST 428 **SEMINAR: LATIN AMERICA** (3) Directed research on selected topics in Latin American History – Seminar approach (emphasis on computer research techniques).
- HIST 431 **SEMINAR: MEDIEVAL SEX AND THE 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 **SEMINAR: EUROPEAN HISTORY & HISTORIANS** (3) Analysis of the methods, practices, and theoretical assumptions employed by contemporary historians of Europe.
- HIST 441 **SEMINAR: TUDOR ENGLAND** (3) An examination of selected topics in English history 1485 - 1603.
- HIST 455 **SEMINAR: POLITICS AND VIOLENCE: NORTH IRELAND** (3) Reading and research, 20th century Ireland.
- HIST 465 **SEMINAR: MODERN RUSSIA** (3) Selected topics in the history of late Imperial Russia.
- HIST 466 **SEMINAR: THE STALIN ERA** (3) Selected topics in the era of Josef Stalin from the pre-revolution to his death.
- HIST 468 **SEMINAR: EUROPEAN SOCIAL HISTORY** (3) Reading and research on 19th and 20th century European social and family issues.
- HIST 470 **SEMINAR: WAR, CULTURE AND SOCIETY: 20TH CENTURY** (3) Reading and research in the nonmilitary aspects of war. Fulfills the E/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.

Graduate Courses

- HIST 601 **SEMINAR: COLONIAL AMERICA** (3) A detailed study of a particular topic in colonial American history, incorporating common readings and individual projects. Prerequisite: HIST 301 or its equivalent, or permission of instructor.
- HIST 602 **SEMINAR: THE AMERICAN REVOLUTION** (3) A study of both the causes which contributed to the coming of the American Revolution and the historiography on the Revolution.
- HIST 603 **SEMINAR: THE EARLY NATIONAL PERIOD** (3) A study of both the leading issues in the formative years of the Republic and the historiography on the period.
- HIST 604 **SEMINAR: AGE OF JACKSON** (3) A detailed study of a particular topic in Jacksonian America (1812-1848), incorporating common readings and individual projects. Prerequisite: HIST 304 or its equivalent, or permission of instructor.
- HIST 629 **SEMINAR: URBAN AMERICA** (3) An examination of selected topics on American urbanization.
- HIST 666 **SEMINAR: TUDOR ENGLAND** (3) An examination of selected topics in English history 1485 - 1603.
- HIST 667 **SEMINAR: STUART ENGLAND** (3) An examination of selected topics in English history 1603 - 1668.
- HIST 670 **SEMINAR: MODERN ENGLAND AND IRELAND** (3) Reading and research on 19th and 20th century topics.
- HIST 672 **SEMINAR: MODERN BRITAIN** (3) Reading and research on 19th and 20th century topics.
- HIST 675 **SEMINAR: MODERN IRELAND** (3) Reading and research on 19th and 20th century topics.
- HIST 677 **SEMINAR: MODERN FRANCE** (3) Reading and research on 19th and 20th century France.
- HIST 690 **SEMINAR: WAR, CULTURE AND SOCIETY SINCE 1850** (3) (HUMN 507) Reading and research on nonmilitary topics, European and American.

Human Resources (HRES)

Undergraduate Courses

- HRES 200 **HUMAN RESOURCES IN A DIVERSE SOCIETY** (3) Issues examined are: workplace laws, recruiting, hiring, setting wages, evaluating employees, benefits, discipline, labor relations, and international concerns. Because it also fulfills the Cultural Diversity Elective requirement, it addresses stereotyping, discrimination and prejudices as they relate to work issues.
- 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 negotiation used.
- HRES 303 **CO-OP EDUCATION/HUMAN RESOURCES: JUNIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved human resources-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, department approval required.
- 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 330 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (MGMT 321, PSYC 321) Application of psychological principles and procedures to a variety of organizations. Research, measurement and human behavior are emphasized.
- HRES 340 **WORKFORCE DEVELOPMENT PROGRAMS AND 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 AND PRACTICE** (3) An examination of the logic and practices involved in current programs for compensating employees.
- HRES 401 **MORALITY AND EMPLOYMENT ISSUES** (3) Uses leading philosophic concepts and normative principles to apply analytic and descriptive tools to critical workplace issues. Prerequisite: PHIL 100 and THEO 111, one must be prerequisite, the other either prerequisite or corequisite. Fulfills the E/R&S Focus elective.
- HRES 403 **CO-OP EDUCATION/HUMAN RESOURCES: SENIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved human resources-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, departmental approval required.
- 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: HUMAN RESOURCES** (2-3) Content to be determined according to the needs of the student. Approval of program director and dean required.

Graduate Course

- HRES 901 **INTRODUCTION TO HUMAN RESOURCES** (2) Key processes of human resource management including selection, employee development, performance management, reward systems, and employee relations. Prerequisites: 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 AND 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. Casework.
- 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) (PSYC 522) 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 AND DEVELOPMENT** (3) An examination of the field of training and developing the workforce as it occurs in industry and government.
- HRES 918 **EMPLOYMENT AND 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 READINGS AND RESEARCH** (2-3) Open to especially qualified students with the consent of the program director and dean.

Humanities (HUMN)

Graduate Courses

- HUMN 501 **THE WESTERN INTELLECTUAL TRADITION 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 **THE WESTERN INTELLECTUAL TRADITION II** (3) The hero in history, literature and art in the 19th and 20th centuries.
- HUMN 503 **THE WESTERN INTELLECTUAL TRADITION III** (3) An exploration of utopias and related visions of the ideal from the 16th to the 20th century.
- HUMN 504 **THE WESTERN INTELLECTUAL TRADITION IV** (3) A history of the future: visions (utopian and dystopian) and projections of the future in the 19th and 20th centuries.
- HUMN 505 **THE WESTERN INTELLECTUAL TRADITION V** (3) Memory, representation, and contested views of the past: an exploration of American cultural, historical, and political issues.
- HUMN 506 **THE WESTERN INTELLECTUAL TRADITION VI** (3) Memory, representation, and contested views of the past: an exploration of modern European cultural, historical, and political issues.
- HUMN 507 **SEMINAR: WAR, CULTURE AND SOCIETY SINCE 1850** (3) (HIST 690) Reading and research on nonmilitary topics, European and American.
- HUMN 511 **LANGUAGE OF THE HUMANITIES** (3) (ENGL 601) Critical study of topic-directed, audience-directed, and author-directed discourse. Intensive practice in writing.

Information Systems (INFO)

Undergraduate Courses

- INFO 100 **BUSINESS COMPUTER APPLICATIONS** (1) A lab-based computer concepts course which introduces current productivity tools for business applications.
- INFO 301 **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. (This course is designed for business students entering in Fall 1996. Take this course in place of INFO 100 and INFO 300.) Prerequisite: Basic knowledge of microcomputers. See your advisor if you are not familiar with microcomputers.
- INFO 303 **CO-OP EDUCATION/INFORMATION SYSTEMS : JUNIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved information systems-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, department approval required.
- INFO 350 **INTRODUCTION TO STRUCTURED PROGRAMMING** (3) Introduction to programming logic using QBASIC and Visual Basic with further introductions to structured programming techniques. Prerequisite: INFO 100 or equivalent.
- INFO 357 **DATA COMMUNICATIONS AND NETWORKING** (3) Data communication fundamentals for networking and distributed processing. Communication proto-

- cols, SNA, DECNET, and local area networks. Prerequisite: INFO 301 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. Prerequisite: INFO 301 or equivalent.
- INFO 359 **HARDWARE AND SOFTWARE OVERVIEW** (3) Analysis of the architecture of micro computers, workstations, and small mid-range computers, with emphasis on comparative operating systems and environments, along with an introduction to applications for the small computer environment. Prerequisite: INFO 301 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. Prerequisite: INFO 300 or 301 or equivalent.
- INFO 372 **AI AND EXPERT SYSTEMS** (3) Introduction to artificial intelligence with emphasis on problem definition, knowledge extraction and application development of knowledge-based expert systems. Prerequisite: INFO 301 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.
- INFO 403 **CO-OP EDUCATION/INFORMATION SYSTEMS: SENIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved information systems-related work experience. Prerequisite: MGMT 301, or equivalent, 55 credit hours completed, 2.75 gpa, departmental approval required.
- 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. Corequisite: INFO 358. Prerequisite: FINC 300, MGMT 300, MKTG 300, or equivalent, or permission of instructor.
- INFO 490 **CONTEMPORARY ISSUES IN INFORMATION SYSTEMS** (3) Current issues, developments and future trends in the advancement of information systems in business. Prerequisites: Junior/Senior status or permission of instructor.
- INFO 495 **SYSTEMS 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. Prerequisite: INFO 450 or equivalent.
- INFO 499 **TUTORIAL COURSE** (2-3) 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 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. Prerequisites: All business skills and foundation skills courses.
- INFO 904 **CONCEPTS OF MANAGERIAL COMPUTER TECHNOLOGY** (2) Basic introduction to computer-based information system technologies. Foundation course required for some INFO electives.

- INFO 940 **ANALYSIS AND DESIGN OF MIS** (2) Analysis and design of information systems for management with emphasis on current MIS environments, on-line real time systems, and distributed processing systems. May be taken alone or with INFO 941. Prerequisite: INFO 904 or equivalent.
- INFO 941 **ANALYSIS AND DESIGN OF MIS PROJECT** (1) Project to accompany INFO 940. Corequisite: INFO 940.
- INFO 943 **INFORMATION TECHNOLOGY AND 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 AND SOFTWARE OVERVIEW** (3) Analysis of the architecture of microcomputers, workstations, and small to mid-range computers, with emphasis on applications for the small computer environment. Prerequisite: INFO 904 or equivalent.
- INFO 951 **DECISION SUPPORT SYSTEMS** (3) Emphasis on user computer interaction in a structured or semi-structured environment where the user has complete control throughout the problem-solving process. Group Decision Support Systems (GDSS) are also examined.
- INFO 960 **WORLD WIDE WEB FUNDAMENTALS** (2) 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.
- INFO 961 **WORLD WIDE WEB PROJECT** (1) Corequisite: INFO 960.
- INFO 970 **DATA COMMUNICATIONS AND NETWORKS** (2) Digital transmission, software, error control, data link control, network architecture, LAN, distributed systems, and network design considerations are discussed. Prerequisite: INFO 904 or equivalent.
- INFO 971 **DATA COMMUNICATIONS AND NETWORK PROJECT** (1) Project to accompany INFO 970. Corequisite: INFO 970.
- INFO 972 **EXPERT SYSTEMS** (2) An introduction to artificial intelligence with emphasis on problem definition, knowledge extraction, and application development of knowledge based expert systems in a business environment. May be taken alone or with project. See INFO 973. Prerequisite: INFO 904 or equivalent.
- INFO 973 **EXPERT SYSTEMS PROJECT** (1) Project to accompany INFO 972. Corequisite: INFO 972.
- 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. Prerequisite: INFO 904 or equivalent.
- INFO 995 **TOPICS IN MIS INDIVIDUAL READINGS** (1-3) New trends, concepts and issues of MIS are examined and related to business environments.

Japanese (JAPN)

Lower Division Courses

- JAPN 101 **ELEMENTARY JAPANESE I** (3) An introduction to basic language skills such as reading and writing *hiragana*, *katakana*, and about 30 *kanji*. 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. Prerequisite: JAPN 101 (unless waived).

Upper Division Courses

- 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. Prerequisite: JAPN 102 (unless waived).
- 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. Prerequisite: JAPN 201 (unless waived).

Italian (ITAL)

- 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.

Latin (LATN)

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.
- LATN 153 **VERGIL: AENEID VII-XII** (3). A first author course reading the epic poem in close detail, examining especially its literary excellence.

Upper Division Courses

- LATN 201 **INTRODUCTION TO LATIN LITERATURE** (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 **SELECTED LATIN READINGS: PROSE** (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 203 **SELECTED LATIN READINGS: POETRY** (3) For students who have had nine hours of college Latin or its equivalent. A selection of poems or poetic passages from various Latin poets and poetic genres.
- LATN 206 **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 the primary sources.
- LATN 211 **LIVY** (3). A critical reading of selections from the *Histories*, the main source for the history of the Roman Republic.
- LATN 214 **LATIN PROSE STYLE** (3). Intensive grammar instruction through composition into Latin from English.
- LATN 221 **CICERO: ORATIONS** (3). A close reading of Cicero's *Pro Milone*, or other oratorical work.
- 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 251 **VERGIL: AENEID** (3). A comprehensive, critical, and in depth reading of the *Aeneid*.
- LATN 261 **ROMAN COMEDY** (3). Selections from Plautus and Terence with a view to their influence on Renaissance and modern comedy.

- LATN 308 **CAESAR** (3). Readings from the *de Bello gallico* and *de Bello civili*.
- LATN 312 **TACITUS: ANNALES** (3). A critical reading of selections from the *Annales*, the main source for the history of the early Roman Empire.
- LATN 319 **CICERO: LETTERS** (3). An examination of the society and history revealed through Cicero's private correspondence.
- LATN 328 **CICERO: ESSAYS** (3). A critical reading of the importance of Cicero's contribution to the history of philosophy through his essays.
- LATN 331 **HORACE: SATIRES and EPISTLES** (3). Reading and study of Horace's longer poems, which wittily upbraid contemporary Roman society.
- LATN 356 **ROMAN SATIRE** (3). Translation and comparison of selections from the satirical works of Varro, Horace, Seneca, Persius, and Juvenal.
- LATN 388 **HISTORY OF LATIN LITERATURE** (3). A final Latin course meant to be a summation and synthesis of the achievement of Latin literature.
- LATN 391 **LUCRETIVUS** (3). Detailed reading of selections from Lucretius's philosophical epic poem.
- LATN 397 **SPECIAL STUDY: PROSE** (Credit and content by arrangement.)
- LATN 398 **SPECIAL STUDY: POETRY** (Credit and content by arrangement.)
- LATN 399 **SENIOR COMPREHENSIVE REVIEW** (Credit and content by arrangement.)

Management (MGMT)

Undergraduate Courses

- MGMT 201 **QUALITY AND PRODUCTIVITY 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. Prerequisite: MATH 156 and 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: JUNIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved management-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, department approval required.
- MGMT 309 **ORGANIZATION DESIGN AND DEVELOPMENT** (3) Theory and design of organizational systems, organizational performance, culture and development. Prerequisite: MGMT 300.
- MGMT 310 **TEAM WORK AND 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. Prerequisite: 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. Prerequisite: MGMT 300.
- MGMT 320 **PERSONNEL ADMINISTRATION** (3) (HRES 320) Covers a broad range of personnel management issues, using lectures, cases and applied projects. Prerequisites: MGMT 300, STAT 200.
- MGMT 321 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (HRES 330, PSYC 321) Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized. Prerequisite: 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. Prerequisites: ECON 300, 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 1990s and beyond. Prerequisite: MGMT 300.
- MGMT 403 **CO-OP EDUCATION/MANAGEMENT: SENIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved management-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, departmental approval required.
- MGMT 410 **QUALITY PLANNING AND 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. Prerequisites: STAT 200, MGMT 201.
- MGMT 495 **STRATEGY FORMULATION & IMPLEMENTATION** (3) Provides an opportunity to integrate business core and major related knowledge through the use of selected cases. Prerequisites: 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 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 **MANAGING PROCESS IMPROVEMENT TEAMS** (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 911 **MANAGERIAL COMMUNICATIONS** (3) Advanced business communications course, oral and written. Concepts include alignment with organizational objectives, perspective and positioning, logic and persuasion, graphic design, writing for diversity. Prerequisites: MGMT 901, MGMT 902, MGMT 903.
- MGMT 914 **PRINCIPLES OF LEADERSHIP** (3) An overview and analysis of a variety of theories and approaches to leadership emphasizing team building and leadership-follower relations. Leaders from a variety of settings will serve as guest lecturers. Skill building and the development of a personal theory of leadership will be emphasized. Prerequisites: 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. Prerequisites: MGMT 901, MGMT 902, MGMT 903.
- MGMT 925 **MULTINATIONAL MANAGEMENT** (3) Planning international trade, sources of information, structuring multinational firms, personnel development, communication/motivation in cross-cultural perspective. Prerequisites: MGMT 901, MGMT 902, MGMT 903.
- MGMT 939 **OCCUPATIONAL SAFETY & HEALTH MANAGEMENT** (3) Examination of the regulatory, psychological, behavioral, economic, and technical issues which impact on occupational safety and health. The design of team-based occupational safety & health programs for managing risk is emphasized. Prerequisites: MGMT 901, MGMT 902, MGMT 903.

- MGMT 944 **MOTIVATION AND BEHAVIOR IN ORGANIZATIONS** (3) Role of motivation in performance within organizations, various concepts of motivation, leadership, and group interaction are studied, with emphasis on research findings. Prerequisites: MGMT 901, 902, 903.
- MGMT 945 **THE HUMANISTIC MANAGER/LEADER** (3) Transactional Analysis, Gestalt Therapy, and Neurolinguistic Programming form the basis of this communications competency based course. Requires group participation, reading summaries, and journal-keeping. Prerequisites: MGMT 901, MGMT 902, MGMT 903.
- 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 W. Edward Deming and Joseph M. Juran are emphasized. In addition, students will investigate the contributions of other prominent individuals and examples of current practice from successful organizations. Prerequisite: 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. Recommended prerequisite: MGMT 950.
- MGMT 995 **INDIVIDUAL READING AND RESEARCH** (1-3) Open to especially qualified students with the consent of the chair of the department and the dean.

Marketing (MKTG)

Undergraduate Courses

- MKTG 300 **PRINCIPLES OF MARKETING** (3) Marketing concepts, functions, institutions, and policies. Marketing's role in society. Prerequisite for upper division courses unless waived by department chair.
- MKTG 302 **MARKETING RESEARCH** (3) Marketing research, methodologies, and managerial utilization of research findings. Prerequisite: STAT 200, MKTG 300.
- MKTG 303 **CO-OP EDUCATION/MARKETING: JUNIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved marketing-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, department approval required.
- MKTG 310 **INDUSTRIAL MARKETING** (3) Problems of marketing industrial products. Management of the pricing, selling, and servicing of industrial goods distributions. Customer services. Prerequisite: MKTG 300.
- MKTG 320 **INTERNATIONAL MARKETING** (3) Conditions peculiar to international distribution of goods and services and its effects on the national welfare. Prerequisite: MKTG 300.
- MKTG 325 **MARKETING SERVICES** (3) The marketing of services will be explored with special emphasis on how they differ from packaged and industrial goods. Prerequisite: MKTG 300.
- MKTG 328 **DIRECT MARKETING** (3) Direct marketing as a tool, its strategies, techniques and measurement systems are studied. Prerequisite: MKTG 300.
- MKTG 330 **RETAIL MANAGEMENT** (3) Fundamental principles and policy considerations for the successful management of modern-day retailing organizations. Case study. Prerequisite: MKTG 300.
- MKTG 331 **ADVANCED CONCEPTS IN RETAILING** (3) Study of retailing beyond the introductory course. Special emphasis on buying and merchandising functions. Prerequisite: MKTG 330 or permission of instructor.

- MKTG 345 **MARKETING COMMUNICATIONS** (3) Fundamental behavioral and communication concepts used in developing effective communications programs. Prerequisite: MKTG 300.
- MKTG 350 **PROMOTION - ADVERTISING** (3) Creative and institutional aspects of advertising and their relationship to market and product attributes. Effects of legal and social environment. Prerequisite: MKTG 300.
- MKTG 351 **SALES PROMOTIONS** (3) The use of sales promotions as promotional tools are examined. The development, implementation and budgeting of sales promotions are studied. Prerequisite: MKTG 300.
- MKTG 355 **NEW 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. Prerequisite: MKTG 300.
- MKTG 361 **PROMOTION AND SELLING** (3) Dynamics of selling and techniques of persuasive leadership. Sales management. Selection, training, compensation, and analysis of sales force activities. Prerequisite: MKTG 300.
- MKTG 370 **CONSUMER BEHAVIOR** (3) Marketing strategy implications of consumer behavior. Anthropology, economics, psychology, sociology, and the consumer. Prerequisite: MKTG 300.
- MKTG 390 **CONTEMPORARY MARKETING ISSUES** (3) Current developments in consumerism and consumer protection. Ecology, social responsibility, and ethical issues. Governmental roles. Prerequisite: MKTG 300.
- MKTG 399 **TUTORIAL IN MARKETING: JUNIOR LEVEL** (2-3) Research, meeting, and attendance at scheduled lectures as determined by the advisor. Prerequisite: permission of the chair and dean..
- MKTG 400 **MARKETING MANAGEMENT** (3) Marketing planning. The coordination of all aspects of marketing. Efficient utilization of resources. Prerequisites: six hours of upper division marketing courses.
- MKTG 403 **CO-OP EDUCATION/MARKETING: SENIOR LEVEL** (3-6) An elective cooperative experience where students earn academic credit while performing approved marketing-related work experience. Prerequisite: MGMT 301, 55 credit hours completed, 2.75 gpa, departmental approval required.
- 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 AND ANALYSIS** (3) Application of marketing principles to case analysis. Prerequisites: FINC 300, MKTG 400 and six hours of upper division marketing courses.
- MKTG 499 **TUTORIAL IN MARKETING** (2-3) Research, meeting, and attendance at scheduled lectures as determined by the advisor. Prerequisite: permission of the chair and dean.

Graduate Courses

- 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. Prerequisites: 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. Prerequisite: MKTG 901.
- MKTG 926 **MULTINATIONAL MARKETING** (3) Product decisions, pricing decisions, and channel decisions in the world market environment. Stresses cultural differences. Prerequisite: MKTG 901.
- MKTG 928 **DIRECT MARKETING** (3) The use of direct marketing as a powerful business to business and consumer marketing tool is explored. Prerequisite: 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. Prerequisite: MKTG 801.
- MKTG 930 **MARKETING SERVICES** (3) The principles, practice and scope of service marketing are explored. Prerequisite: MKTG 901.
- MKTG 960 **SALES AND SALES MANAGEMENT** (3) Explore dimensions of selling as a marketing function and the application of theories of management to the selling function within organizations. Prerequisite: MKTG 901 .
- MKTG 961 **MARKETING MANAGEMENT** (3) Application of marketing concepts and theory to actual situations via case method. Individual reports and presentations. Prerequisite: MKTG 901.
- MKTG 963 **INDUSTRIAL MARKETING** (3) Problems of marketing industrial products. Management of the marketing channels and pricing, selling, and distribution of the products. Prerequisite: MKTG 901.
- MKTG 964 **CONSUMER BEHAVIOR THEORY** (3) Evaluation of research findings from behavioral sciences and other disciplines. Relationship to marketing. Prerequisite: MKTG 901.
- MKTG 965 **ADVERTISING THEORY AND PRACTICE** (3) The role of advertising in the marketing process. The advertising campaign, its creative and media components. The decision processes. Prerequisite: MKTG 901.
- MKTG 966 **MARKETING AND THE LAW** (3) Statutory and case law as each affects marketing decision-making, sales contracts, warranties, transfer of title, remedies under UCC. Prerequisite: MKTG 901.
- MKTG 967 **INTERNATIONAL SALES AND NEGOTIATION** (3) Examines the sales and negotiations processes in an international environment. Topics include networking, prospecting, communication skills, and other areas that influence strategic design. Prerequisite: MKTG 901.
- MKTG 968 **NEW PRODUCT PLANNING AND DEVELOPMENT** (3) The entire process of new product development from idea generation to commercialization is developed. Prerequisite: MKTG 901.
- MKTG 969 **MARKETING MODELS** (3) Examination and application of computer models developed for a variety of marketing decisions. Prerequisite: MKTG 901.
- MKTG 970 **SEMINAR: CONTEMPORARY MARKETING ISSUES** (3) Current developments in marketing as related to social issues: consumerism, social responsibility, ethical issues, and governmental roles. Prerequisite: MKTG 901.
- MKTG 995 **INDIVIDUAL READINGS AND RESEARCH** (2-3) Open to especially qualified students with the consent of the chairman of the appropriate department and dean.

Mathematics (MATH)

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 MATHEMATICS** (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 MATHEMATICS** (3) Patterns and problem solving in counting and calculating with integers. Operations with fractions, rationals, and irrationals. Probability and statistics.
- 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.
- MATH 112 **SURVEY OF PROBLEM SOLVING** (3) Problem solving techniques, functions, patterns, relations, elementary number theory, algebra, number systems, logic, and counting principles.
- MATH 113 **MATHEMATICS OF FINANCE** (3) Simple and compound interest, discounting, annuities, amortization and sinking funds, stocks, bonds, insurance.
- 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) Fundamentals of algebra. Graphs and properties of functions, including polynomial, exponential, and logarithmic functions. Applications to real world situations using algebraic, numerical, and graphical methods.
- MATH 147 **CALCULUS FROM A 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) Limits, the derivative, differentiation techniques, curve-sketching, maximum/minimum problems, elementary integration, exponential and logarithmic functions. Requires graphics calculator. Prerequisite: MATH 120 or equivalent.
- MATH 151 **ELEMENTS OF CALCULUS II** (3) Techniques of integration, exponential growth and decay, functions of several variables, partial derivatives, optimization problems, multiple integrals. Prerequisite: MATH 150 or equivalent.
- MATH 156 **GENERAL STATISTICS** (3) Descriptive statistics, probability distributions, confidence intervals and hypothesis testing, regression and correlation, Chi-square tests, analysis of variance, nonparametric tests. Prerequisite: MATH 150 or equivalent. Fulfills Occupational Therapy curriculum.
- MATH 160 **ALGEBRA AND TRIGONOMETRY REVIEW** (1) A condensed version of MATH 165.
- MATH 165 **TRIGONOMETRY AND ALGEBRA** (3) The circular functions: sine, cosine, tangent. Other transcendental functions. Linear, polynomial and rational functions. Inequalities, absolute values, identities and solving equations.
- MATH 170 **CALCULUS I** (4) The derivative, techniques and applications. Limits and continuity. The integral with applications. Numerical methods. Prerequisite: MATH 165 or equivalent.
- MATH 171 **CALCULUS II** (4) Transcendental functions. Techniques of integration. Elementary differential equations. Conics. Polar coordinates. Sequences and series. Prerequisite: MATH 170.
- MATH 180 **ELEMENTS OF DISCRETE MATHEMATICS** (3) Logic, set theory, relations and functions, mathematical induction, counting principles, recurrence relations, number systems. Prerequisite: CSCI 170.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: MATH 220.
- MATH 240 **LINEAR ALGEBRA** (3) Vector spaces, bases, linear transformations, change of basis. Eigenvalues and eigenvectors. Prerequisite: 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 of 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. Prerequisite: MATH 311.
- MATH 320 **INTRODUCTION TO OPERATIONS RESEARCH** (3) Deterministic and stochastic models, network analysis. Linear, nonlinear and integer programming. Classical optimization, inventory theory, queueing, Markov analysis.
- MATH 321 **NUMERICAL ANALYSIS** (3) (CSCI 321) Measures of accuracy, sources of error, function evaluation and approximation, systems of linear equations, nonlinear equations, numerical differentiation and integration, and solutions to differential equations. Prerequisites: 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. Prerequisite: MATH 240.
- MATH 341 **ABSTRACT ALGEBRA II** (3) A continuation of MATH 340. Topics may include Boolean algebra, lattice theory, combinatorial group theory, coding theory, Galois theory, commutative rings. Prerequisite: MATH 340.
- MATH 360 **ELEMENTARY TOPOLOGY** (3) Metric spaces, topological spaces, separation axioms, convergence, compactness, connectedness.
- MATH 370 **INTRODUCTION TO REAL ANALYSIS** (3) Real number system. Elementary topology of metric spaces, continuity, connectedness, completeness, compactness. Sequences and series of functions, pointwise and uniform convergence. Stieltjes integral.

- 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 **SPECIAL READING AND STUDY FOR ADVANCED STUDENTS** (Credit by arrangement.)

Medical Technology (MEDT)

These are Clinical courses taken on-site at various Committee on Allied Health, Education, and Accreditation (CAHEA) approved hospitals.

Upper Division Courses

- MEDT 450 **INTRODUCTION TO MED LAB SCIENCE** (0)
- MEDT 451 **INTRODUCTION 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** (12)
- 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 **INDEPENDENT STUDY** (3)

Military Science (MILS)

Lower Division Courses

- MILS 101 **INTRODUCTION TO LEADERSHIP I** (1) Pragmatic approach to the psychology of motivating soldiers, to include introductory segments on the current structure of the United States defense organization.
- MILS 102/
104 **FRESHMAN LEADERSHIP LABORATORY** (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 **INTRODUCTION TO LEADERSHIP II** (2) Analysis of Army leadership styles, behavior, group motivation, and performance counseling.
- MILS 201 **MILITARY TRAINING AND SPEAKING** (3) Speech fundamentals as applied to interpersonal, public, and group speaking within the military. Projects in military training, reporting and explaining, decision making, idea delivery, and military orders.
- MILS 202/
204 **SOPHOMORE LEADERSHIP LABORATORY** (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 **MILITARY HISTORY** (3) A historical approach to the evolution and causes of warfare. The principles of war, economic elements of power, the models of battle analysis, and strategy analysis are applied to selected American military experiences.

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 Army ROTC advance course.

Upper Division Courses

MILS 301 **BASIC MILITARY TACTICS** (3) Squad tactics, map reading, and small unit operations. Military skills training.

MILS 302/
3 0 4 **JUNIOR LEADERSHIP LABORATORY** (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 **ADVANCED MILITARY TACTICS** (3) Small unit tactics, advanced tactics, and career development. Military skills training.

MILS 399 **ARMY ROTC ADVANCED CAMP** (4) This training is conducted at Fort Bragg, North Carolina and normally takes place in the summer following the junior year. This internship is six weeks in duration and oriented on the execution of Advanced Military Tactics, Cadet Leadership ability, and physical endurance.

MILS 401 **THE MILITARY TEAM** (2) The military team, and staff functions. Values, ethics, and decision-making.

MILS 402/
4 0 4 **SENIOR LEADERSHIP LABORATORY** (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 **PROFESSIONAL DEVELOPMENT** (2) Preparation for Army duties as a Second Lieutenant. Military law and special skill training.

MILS 499 **DIRECTED STUDY** (Credit to be arranged) Open to especially qualified students with the consent of the department chair.

Modern Languages (MDLN)

Upper Division Course

MDLN 480 **TEACHING MODERN LANGUAGES** (3) A course designed to show teachers and prospective teachers ways of implementing and supplementing existing materials for modern foreign language teaching, while introducing them to various methodological approaches. Emphasis is placed on ways of developing the skills of listening, speaking, reading and writing as well as the teaching of culture and civilization. Taught in English; does not count toward language requirement.

Music (MUSC)

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 **SURVEY OF GLOBAL 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 AND 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 17th to 20th century; emphasis on African roots of this tradition and historical and sociocultural contexts that gave 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 121 **MUSIC METHODS CURRICULUM AND ASSESSMENT FOR EARLY AND MIDDLE CHILDHOOD** (2) Intermediate level course. Focus upon creativity and curriculum design Pre-K - 8. Prerequisite: MUSC 120.
- MUSC 154/
155 **DANCE AND MOVEMENT I, 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/
157 **ADVANCED DANCE AND MOVEMENT I, II** (1) Continuation of MUSC 154/155.

Upper Division Courses

- MUSC 200 **THEORY I** (3) Study of elements of musical organization; four-part harmonization and analysis.
- MUSC 201 **SIGHTSINGING AND 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. Prerequisite: MUSC 200 or permission of instructor.
- MUSC 203 **SIGHTSINGING AND DICTATION II** (1) 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. Prerequisites: MUSC 101, 206 and 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 **SURVEY OF MUSIC LITERATURE I** (3) Introduction to the literature of music. Discussion of representative compositions from Early Middle Ages to the Classical period with emphasis on listening and rudimentary aural analysis of selected works.
- MUSC 211 **SURVEY OF MUSIC LITERATURE II** (3) Continuation of MUSC 210. Discussion of representative compositions from the Romantic to the Contemporary style periods.
- MUSC 221 **MUSIC METHODS CURRICULUM AND ASSESSMENT FOR EARLY AND MIDDLE CHILDHOOD** (2) See MUSC 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 American Catholic culture.
- MUSC 300 **THEORY III** (3) Continuation of MUSC 202; special emphasis on harmonic developments during the Romantic period (chromaticism, altered chords).
- MUSC 301 **SIGHTSINGING AND 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 AND DICTATION IV** (1) Continuation of MUSC 301.
- MUSC 304 **PRODUCING ELECTRONIC MUSIC I** (3) 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) 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 **TECHNIQUES OF JAZZ WRITING AND ARRANGING** (2) The presentation, examination, practice and exercise of techniques and methods applied in the organization and creation of jazz writing and arranging. Prerequisite: MUSC 101 or equivalent.
- MUSC 307 **JAZZ REPERTOIRE AND IMPROVISATION WORKSHOP** (2) An in-depth application of jazz improvisation styles to the live performance situation with an emphasis on accumulated repertoire. Prerequisite: MUSC 101 and 206 or equivalent.
- MUSC 310 **MUSIC HISTORY I** (3) Historical development of music from antiquity to the end of the Baroque era.
- MUSC 311 **MUSIC HISTORY II** (3) Historical development of music from Viennese Classicism to the present; a continuation of MUSC 310.
- MUSC 320 **MUSIC METHODS, CURRICULUM AND ASSESSMENT FOR ADOLESCENCE AND YOUNG ADULTS I** (3) Overview of role, and responsibility of music teacher. Vocal, instrumental, and general music education. (For music majors only.)
- MUSC 321 **MUSIC METHODS, CURRICULUM AND ASSESSMENT FOR ADOLESCENCE AND YOUNG ADULTS II** (3) Emphasis on instrumental and choral methods and materials. Practical guide for the music educator. Prerequisite: MUSC 320.
- MUSC 322/
5 2 2 **TEACHING MUSIC WITH TECHNOLOGY** (2) Using the latest music writing computer programs and innovative technological advances in the development of music study and production.
- MUSC 328/
6 2 8 **CHILDREN'S CHORAL AND VOCAL WORKSHOP** (1-2) 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 **INTRODUCTION TO ORGAN IMPROVISATION** (1) Basic concepts and techniques of organ improvisation. Includes stylistic approaches from the Baroque to the present.
- MUSC 340 **OPERA WORKSHOP** (1-3) 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. Prerequisite: permission of instructor.
- 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. Prerequisite: permission of instructor.
- MUSC 399 **INDEPENDENT STUDY** (Credit to be arranged.) 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 chair.
- MUSC 400 **FORM AND ANALYSIS** (3) Intensive study of larger musical forms; works selected from representative works of instrumental and vocal music literature. Prerequisite: MUSC 302.
- MUSC 401 **ORCHESTRATION - ARRANGING** (3) The technique of scoring for orchestra, band and diverse instrumental ensembles. Prerequisite: MUSC 302 or equivalent.
- MUSC 402 **COMPOSITION** (3) Introduction to creative writing in simple musical forms. Prerequisite: 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.
- 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.
- MUSC 420 **CONDUCTING I** (3) Fundamentals of conducting. Basic techniques, and study of shorter choral and instrumental works. Prerequisite: MUSC 202, Corequisite: MUSC 160.
- MUSC 421 **CONDUCTING II** (3) Continuation of MUSC 420. Study of more complex examples from instrumental and choral literature. Corequisite: MUSC 160.
- 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) A comprehensive study of
6 2 6 Music Education: history, philosophy, theory, and practical application.
- MUSC 427/ **CONTEMPORARY APPROACHES IN MUSIC EDUCATION** (3) Introduc-
6 2 7 tion to Orff and Kodaly methodology; curricular innovations for all levels of school music, Pre-K - 12.
- MUSC 479 **INDEPENDENT STUDY** (Graduate level) (1-3) (Credit to be arranged.) 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.

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).
- MUSC 352 **WOODWIND TECHNIQUES** (1).
- MUSC 353 **BRASS TECHNIQUES** (1).
- MUSC 354 **PERCUSSION TECHNIQUES** (1).

Applied Music

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

PRIVATE LESSONS (1)

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

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 theatre, 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	264	BRASS CHOIR	(1) Brass ensemble performing original compositions as well as arrangements from the Baroque to the present. Literature is chosen according to the size of the ensemble. Participation with consent of director.
MUSC	265	CONCERT BAND	(1) Study and performance of a wide variety of repertoire for concert band, jazz band and pep band.
MUSC	266	WOODWIND ENSEMBLE	(1) A select woodwind chamber ensemble performing original works and transcriptions. Participation with consent of director.
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 the director.
- 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. Prerequisite: permission of instructor.

Nursing (NURS)

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** (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 Cultural Diversity elective requirement.
- NURS 224 **NURSING 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. Prerequisites: All NURS 100 courses and a 2.5 G.P.A. Corequisite: NURS 225.
- NURS 225 **NURSING THERAPEUTICS I: ASSESSMENT 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. Prerequisites: All NURS 100 level courses. Corequisite: NURS 224.
- NURS 230 **NURSING 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. Prerequisites: NURS 224, 225; Corequisites: NURS 231, BIOL 200/201.
- NURS 231 **NURSING THERAPEUTICS II PRACTICUM** (2) Application of promotive, preventive, 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. Prerequisites: NURS 224, 225; Corequisites: NURS 230, 364.
- 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 **CULTURAL INFLUENCE ON HEALTH AND CARING** (2) 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 330 **INTRODUCTION 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. Prerequisites: MATH 116 or MATH 156.
- 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. Prerequisite: RN status.
- NURS 334 **DECISION MAKING IN NURSING PRACTICE** (3) Focuses on the study of systematic deliberative actions relating to clients' responses to actual or potential health problems; includes the study of the individual client and the necessary nursing strategies for disease prevention and the promotion and restoration of health. Corequisite: NURS 333. (R.N. option)
- NURS 360 **ADULT TRANSITIONS** (4) Focus on facilitating healthy outcomes in adults experiencing health-illness transitions. Information regarding surgical, pharmacological, nutritional, and psychological/mental health interventions which may be used to assist individuals in achieving healthy outcomes is discussed. Prerequisites: All NURS 200 courses and NURS 364. Corequisite: 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. Corequisite: 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. Prerequisites: BIOL 140-143, CHEM 151.
- NURS 370 **INTRODUCTION 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. Prerequisites: MATH 116 or MATH 156.
- 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. Prerequisites: All NURS 200 courses and NURS 364.
- NURS 373 **FAMILIES IN TRANSITIONS PRACTICUM** (4) Application of promotive, preventive, and intervenience 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. Corequisite: NURS 372.

- NURS 390 **LEADERSHIP AND 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. Prerequisites: NURS 320, 325 and 334.
- NURS 440 **NURSING AND FAMILY HEALTH** (3) The study of health promotion of the family system both internally and in interaction with external intra-connecting systems. Focus on family as client. Prerequisites: NURS 320, 325, 330, 333, 334; Corequisite: NURS 441.
- NURS 441 **NURSING PRACTICE AND APPLICATION I PRACTICUM** (2) Nursing strategies associated with the management of health care issues throughout the family's life-span are developed and implemented. Six hours of practicum weekly. Corequisite: NURS 440. (R.N. option)
- NURS 442 **NURSING AND COMMUNITY HEALTH** (2-3) 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. Prerequisites: NURS 390 and NURS 440.
- NURS 443 **NURSING PRACTICE AND APPLICATION II PRACTICUM** (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. Corequisite: NURS 442. (R.N. option)
- NURS 460 **WOMEN'S HEALTH ISSUES** (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 461 **INTRODUCTION TO ONCOLOGY NURSING** (3) Focuses on patients and families experiencing cancer. Emphasis is placed on understanding the integration of the epidemiological, biological, physiological, psychological, and nursing science supporting the principles of patient and family care. (Open to non-nursing students.) Elective course.
- NURS 465 **CARE OF THE OLDER ADULT** (3) Emphasis placed on the normal aging process and the continuing development and 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.
- NURS 466 **EXPRESSIONS OF HOPE** (2-3) 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.)
- NURS 468 **FROM ACUPUNCTURE TO ZINC: PAIN MANAGEMENT** (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.
- 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. Prerequisites: All 300 level nursing courses; Corequisite: 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. Prerequisite: All 300 level nursing courses; Corequisite: 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. Prerequisite: All NURS 300 courses; Corequisite: NURS 473.
- NURS 473 **CARE OF THE 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.
- 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. Prerequisites: NURS 320, 330, 334; should be taken in the last semester of study.
- 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. Prerequisite: All 300 level nursing courses and in final semester of program.

Graduate Courses

- NURS 501 **THEORETICAL BASES FOR NURSING PRACTICE** (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. Prerequisite: NURS 501.
- NURS 503 **EPIDEMIOLOGIC METHODS IN HEALTH CARE SERVICES** (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 investigations within organizations and communities are introduced. Opportunities are provided to use the 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. Prerequisite: NURS 502.
- NURS 505 **HEALTH CARE INFORMATICS** (3) 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 **RESOURCE MANAGEMENT** (3) Overview of the roles and responsibilities of the nurse in effective and efficient management of human, financial, and material resources.
- NURS 630 **NURSING ADMINISTRATION THEORY I** (3) Administrative theory from a macro perspective including organizational structure, culture, leadership, manage-

- ment functions, and power. Theories and research from nursing and related disciplines will be studied. Prerequisite: Permission of instructor.
- NURS 631 **NURSING ADMINISTRATION PRACTICUM I** (2) Application of principles from NURS 630. Prerequisite or corequisite: NURS 630.
- NURS 632 **NURSING ADMINISTRATION THEORY II** (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. Prerequisite: NURS 631 and 636.
- NURS 633 **NURSING ADMINISTRATION PRACTICUM II** (2) Application of the theory presented in NURS 632. Prerequisite or corequisite: NURS 632.
- NURS 636 **FINANCIAL MANAGEMENT FOR NURSING ADMINISTRATION** (3) Fiscal accountability: cost accounting, budgeting and cost benefit and effectiveness analysis.
- NURS 690 **HEALTH CARE POLICY AND ISSUES** (3) 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. Prerequisite: Permission of instructor.
- NURS 695 **SPECIAL TOPICS** (1-3) Individual or group in depth study of a specific topic under faculty supervision. Contract with instructor required before registration. Prerequisite: Permission of instructor.
- NURS 797 **PROJECT** (1-4) 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.

Occupational Therapy (OCTH)

Lower Division Courses

- OCTH 101/
4 33 **OCCUPATIONAL THERAPY CONCEPTS AND PHILOSOPHY** (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/
4 34 **DEVELOPMENTAL PROCESS: PHYSICAL AND PSYCHOLOGICAL** (3) Human physical and psychological growth and development over the life span, including sensory, perceptual, motor, cognitive, social, and psychological processes.
- OCTH 201/
4 41 **HUMAN OCCUPATION THROUGHOUT THE LIFE SPAN** (3) Introduction to the model 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. Prerequisite: OCTH 101/433.

Upper Division Courses

- OCTH 302/
4 42 **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. Prerequisites: OCTH 101, OCTH 143, MATH 116.
- OCTH 303/
4 43 **DISABLING CONDITIONS I: BIOCHEMICAL/PSYCHOSOCIAL** (3) Common conditions seen by OTs 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. Prerequisites: OCTH 143, OCTH 201.

- OCTH 304/
4 44 **OCCUPATIONAL THERAPY THEORY AND PRACTICE I: BIOCHEMICAL/PSYCHOSOCIAL** (3) Theory and process used by occupational therapists in working with individuals with disabling conditions of a psychosocial or biochemical nature. Prerequisites: OCTH 101,143,201 Corequisites: OCTH 302,303, 391.
- OCTH 305/
4 14 **INTRODUCTION TO CLINICAL PRACTICE** (2.5) 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. Prerequisites: OCTH 101, 201.
- OCTH 306/
4 46 **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 evaluations, etc.). Prerequisites: OCTH 143, 201, 311.
- OCTH 307/
4 47 **DISABLING CONDITIONS II: NEURODEVELOPMENTAL/NEUROLOGICAL** (3). Etiology, symptoms, and course of conditions of a neurological or neurodevelopmental nature are reviewed and analysis of human performance components affected by each. Prerequisites: OCTH 143,201,302,303,304.
- OCTH 308/
4 48 **OCCUPATIONAL THERAPY THEORY AND PRACTICE II: NEURODEVELOPMENTAL/NEUROLOGICAL** (3) Theory and process 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. Prerequisites: OCTH 143, 201, 302, 303, 304; Corequisites: OCTH 307, 492/493.
- OCTH 311/
4 51 **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. Prerequisites: OCTH 101, 201.
- OCTH 312/
4 52 **THERAPEUTIC OCCUPATIONS II: GROUP PROCESS** (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. Prerequisites: OCTH 143, 201, 303, 304, 311.
- OCTH 315/
4 15 **LEVEL I FIELD WORK A** (1) A block of three to four hours per week is spent in clinical site. Beginning psychosocial practice skills are performed under close supervision. Prerequisites: OCTH 143, 201, Pre/Corequisites: OCTH 302,303,304,305, 311. Permission of Department Chair is necessary.
- OCTH 325/
4 25 **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. Prerequisites: OCTH 143, 201, 302, 303, 304, 305, 311, 315. Corequisites: 307,308, 312. Permission of Department Chair is necessary. Pass/fail grading only.
- OCTH 391/
4 91 **THEORY & PRACTICE LAB I** (1) Demonstrations and practice with interview skills, evaluation techniques, treatment methods, as used by occupational therapists working with clients with biochemical or psychosocial dysfunction. Corequisite: OCTH 304/444. Pass/fail grading only.
- OCTH 401/
4 61 **DISABLING CONDITIONS III: BIOMECHANICAL/REHABILITATIVE** (3). Etiology, symptoms, and course of disabling conditions of a biomechanical nature, or those that require rehabilitation after trauma or the disease process. Analysis of human performance components affected by each. Prerequisites: OCTH 143, 201, 302, 303, 304, 306, 307, 308, 325.
- OCTH 402/
4 62 **OCCUPATIONAL THERAPY THEORY AND PRACTICE III: BIOMECHANICAL/REHABILITATIVE** (3). Theory and process used by occupational therapists in working with individuals with disabling conditions of a biomechanical 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. Prerequisites: OCTH 143,201, 302,303,304, 306,307, 308,325. Corequisites: OCTH 401, 435, 494/495.

- 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. Prerequisites: PHIL 329 or HESA 644, OCTH 143, 201, 302, 303, 304, 305, 306, 307, 308, 311, 312, 315, 325, 401, 402, 435, and Pre/Corequisite OCTH 406/446.
- OCTH 404/
464 **RESEARCH METHODS IN OCCUPATIONAL THERAPY** (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. Prerequisites: MATH 116, OCTH 143, 201, 302, 303, 304, 305, 306, 307, 308, 311, 312, 315, 325, 401, 402, 435. Corequisite OCTH 417.
- OCTH 406/
466 **MANAGEMENT OF OCCUPATIONAL THERAPY 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/Corequisite: OCTH 403, 404.
- OCTH
407/467 **LEVEL II FIELDWORK** (6) 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 field work sites.
408/468
409/469 Minimum requirement of 940 hours. Permission of Department Chair is necessary. Prerequisites: All professional core course requirements in the three year program sequence.
- OCTH 410/
470 **SPECIAL TOPICS IN OCCUPATIONAL THERAPY** (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 APPLICATIONS LAB I** (1) Participation in the research process with clinical preceptor and/or a faculty tutor. Prerequisites: OCTH 143, 201, 302, 303, 304, 305, 311, 312, 315, 306, 307, 308, 325, 401, 402, 435. Corequisite OCTH 404.
- OCTH 418/
478 **RESEARCH APPLICATION LAB II** (1) Continuation of OCTH 417/477 Lab I. Prerequisite: OCTH 417/477.
- 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. Prerequisites: OCTH 143, 201, 302, 303, 304, 305, 311, 312, 315, 306, 307, 308, 325. Corequisites: OCTH 401, 402. Permission of Department Chair is necessary.
- OCTH 480 **PROFESSIONAL SEMINAR** (0) Capstone seminar designed for post-baccalaureate students to address interdisciplinary education program issues.
- OCTH 492/
493 **THEORY & PRACTICE LAB II** (1) Demonstrations and practice with evaluation techniques and treatment methods used by occupational therapists working with clients with neurodevelopmental or neurological dysfunction. Corequisite: OCTH 308/448. Pass/fail grading only.
- OCTH 494/
495 **THEORY & PRACTICE LAB III** (1) Lab that correlates with Occupational Therapy Theory and Practice III: Biomechanical/Rehabilitative. Students observe and practice evaluation and treatment techniques covered in theory course. Corequisite: OCTH 402/462. Pass/fail grading only.

Philosophy (PHIL)

Lower Division Course

- PHIL 100 **ETHICS AS AN INTRODUCTION TO PHILOSOPHY** (3) The goals of human life; the first principles of morality; virtue, duty, law, responsibility. Special emphasis on justice, along with a treatment 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 development 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 Plato.
- PHIL 301 **HISTORY OF ANCIENT PHILOSOPHY** (3) Greek philosophy from its beginnings to Neoplatonism. Emphasis is on Plato and Aristotle.
- PHIL 302 **MEDIEVAL CHRISTIAN PHILOSOPHY** (3) A survey of the central medieval Christian philosophers from Augustine to Ockham. Prerequisites: PHIL 100 and 290.
- PHIL 304 **HISTORY OF 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 **HISTORY OF CONTEMPORARY PHILOSOPHY** (3) Survey stressing structuralist basis and diverse styles of philosophizing in the twentieth century.
- PHIL 306 **CONTEMPORARY CONTINENTAL PHILOSOPHY** (3) One or more current continental philosophies; e.g., phenomenology, existentialism, Marxism, and their methods.
- PHIL 307 **CONTEMPORARY BRITISH AND AMERICAN PHILOSOPHY** (3) Philosophies current in Britain and America; especially analytic philosophy.
- 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 AND JEWISH PHILOSOPHY** (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 311 **SYMBOLIC LOGIC** (3) The elements of propositional calculus and predicate calculus; the structure of deductive systems.
- 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/R&S Focus elective. Prerequisite/Corequisite of PHIL 100 and THEO 111.
- PHIL 320 **HISTORY AND PHILOSOPHY OF SCIENCE TO 1700** (3) Examination of the evolution of the idea of science through a close reading of the seminal writings on this subject from Aristotle to Descartes, focusing particularly on the different strategies that have been employed to achieve knowledge of the physical world together with the kindred question as to the kind of certitude that each strategy can hope to expect.
- PHIL 321 **ETHICAL BUSINESS DECISIONS** (3) Case studies of several critical issues in business, analyzed according to the contemporary context and ethical principles. Fulfills the E/R&S Focus elective. Prerequisite/Corequisite of PHIL 100 and THEO 111.
- PHIL 329 **MEDICAL ETHICS** (3) Moral issues arising in health care delivery, including social policy as well as clinical problems. Fulfills the E/R&S Focus elective. Prerequisite/Corequisite of PHIL 100 and THEO 111.
- PHIL 333 **PHILOSOPHY OF ART AND 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 to 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 349 **AMERICAN IDEALISM** (3) Exposition and evaluation of the background and aims of Royce, Hocking and Whitehead, with critical focus on their ethical-religious thought.
- 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 353 **NATURAL LAW AND NATURAL RIGHT** (3) Classical and modern texts by the great teachers of natural law and natural right; emphasis on pre-philosophic right, natural right and nature/cosmos, law vs. right, facts/values.
- PHIL 354 **AMERICAN PRAGMATISM** (3) A study of Pierce, James, Dewey and their followers.
- PHIL 355 **PRINCIPLES OF POLITICAL PHILOSOPHY** (3) Principal problems of political philosophy, with emphasis on philosophical and religious legitimation of political institutions and on the nature of justice and law. Prerequisites/Corequisites: PHIL 100, THEO 111.
- PHIL 356 **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.
- PHIL 366 **ARISTOTLE** (3) Study of the main philosophical works of Aristotle, with emphasis on his methodology and historic role.
- 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 374 **HOBBS** (3) A careful textual study of major works by Thomas Hobbes and a comparison and contrast of important themes in Hobbes with corresponding positions in other major philosophers (e.g., the nature of the Whole, human nature, natural right, civil association).
- PHIL 375 **KANT** (3) A textual study of the Critique of Pure Reason and its relation to other works of Kant.
- PHIL 376 **HEGEL** (3) Introduction to the philosophical system of Hegel from the Phenomenology of Spirit. Emphasis on Hegel's method of philosophizing.
- PHIL 378 **VICO** (3) This course will examine several key texts in the development of Giambattista Vico's thought, culminating in *Scienza 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 crisis of the twentieth century. Prerequisites/Corequisites: PHIL 100, THEO 111.
- PHIL 380 **HUSSERL** (3) A careful textual study of major works by Edmund Husserl with emphasis upon major Husserlian themes (e.g., the scientific and natural attitudes; scientific objectivity and intersubjectivity; language, meaning, and World; the epistemological and moral crisis of modern philosophy and science; phenomenology and its method).
- 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. This course attempts a thorough and critical examination of his ethical, political and religious thought. Prerequisite/corequisite: PHIL 100, THEO 111.
- PHIL 391 **HEIDEGGER** (3) Study of Heidegger's great work, Being and Time, and of his later thought.

Physics (PHYS)

Lower Division Courses

- PHYS 112 **OUR UNIVERSE: COLOR AND IMAGES** (2) Fascinating introductory course on light, color, mirrors, lenses, photographic film, lasers, and holograms. Corequisite: PHYS 113.
- PHYS 113 **OUR UNIVERSE: COLOR AND IMAGES LABORATORY** (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. Corequisite: PHYS 115.
- PHYS 115 **OUR UNIVERSE: PHYSICAL SCIENCE LABORATORY** (1) Laboratory required to accompany PHYS 114.
- PHYS 116 **OUR UNIVERSE: THE EARTH** (2) An introductory course in earth science. Corequisite: PHYS 117.
- PHYS 117 **OUR UNIVERSE: THE EARTH LABORATORY** (1) Laboratory required to accompany PHYS 116.
- PHYS 118 **OUR UNIVERSE: THE SKY** (2) Introductory course in astronomy. Corequisite: PHYS 119.
- PHYS 119 **OUR UNIVERSE: THE SKY LABORATORY** (1) Laboratory is required to accompany PHYS 118.
- PHYS 122 **OUR UNIVERSE: ENERGY SOURCES AND USES** (2) An introductory course that surveys various forms of energy and studies practical, economical applications. Corequisite: PHYS 123.
- PHYS 123 **OUR UNIVERSE: ENERGY LABORATORY** (1) Laboratory required to accompany PHYS 122.
- PHYS 140 **RADIOLOGIC PHYSICS I** (2) Energy, the structure of matter, electricity, magnetism, radioactivity, and the nature and production of X-rays. Calculations in radiology. For radiologic technology students. Prerequisite: MATH 105.
- PHYS 141 **RADIOLOGIC PHYSICS II** (2) A continuation of PHYS 140.
- PHYS 160 **COLLEGE PHYSICS I** (3) For premedical, pre-dental, and others. Mechanics, heat, sound, electromagnetism, optics, and modern physics. Prerequisite: Algebra; Corequisite: PHYS 161 laboratory. Fulfills Occupational Therapy curriculum.
- PHYS 161 **INTRODUCTORY PHYSICS LABORATORY I** (1) This laboratory accompanies PHYS 160 or 170 lectures.
- PHYS 162 **COLLEGE PHYSICS II** (3) For premedical, pre-dental, and others. Mechanics, heat, sound, electromagnetism, optics, and modern physics. Prerequisite: PHYS 160; Corequisite: PHYS 163 laboratory.
- PHYS 163 **INTRODUCTORY PHYSICS LABORATORY II** (1). This laboratory accompanies PHYS 162 or 172 lectures. Prerequisite: PHYS 161.
- PHYS 170 **UNIVERSITY PHYSICS I** (3) Calculus level course for chemistry, computer science, mathematics, applied physics, and physics majors. Mechanics, heat, sound. Corequisite: 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. Corequisite: PHYS 163

Upper Division Courses

- PHYS 206/ **ADVANCED STUDY OF BASIC PHYSICS I, II** (3 each semester). The broad
207 implications of the fundamental principles of general physics. Prerequisite: 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 244 **ELECTRONICS II** (2) Digital components and circuits, microcomputer architec-
ture and machine language programming, interfacing circuits.
- PHYS 243/ **ELECTRONICS LABORATORY I, II** (1 each semester) Laboratory to accom-
245 pany 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 LABORATORY** (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. Prerequisite: PHYS 330.
- PHYS 341 **NUCLEAR PHYSICS LABORATORY** (1) Experiments in radioisotope tech-
niques, nuclear particle counting, activation analysis, scattering, and reactor criticality.
- PHYS 350 **THEORETICAL MECHANICS I** (3) Statics, equilibrium of rigid bodies, analy-
sis 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 disper-
sion.
- PHYS 365 **PHYSICAL OPTICS LABORATORY** (1) Experiments in Physical Optics,
including diffraction, Michelson's interferometer, multiple beam interference,
polarization, various experiments on the prism spectrograph, and holography.
- PHYS 376 **QUANTUM MECHANICS I** (3) The mathematical formalism of quantum me-
chanics and its physical interpretation. Prerequisite: 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** (1-3) Area to be specified.
- PHYS 397 **SPECIAL READINGS** (1-3) Area to be specified.
- PHYS 398 **PHYSICS THESIS** (1).

Political Science (POLI)

Lower Division Courses

- POLI 120 **COMPARATIVE GOVERNMENT 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 AND POLITICS** (3) (HIST 245, SOCI 246) A political history of Cincinnati with an analysis of contemporary urban politics.
- POLI 220 **GOVERNMENT AND POLITICS OF SOUTHEAST 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 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.
- POLI 240 **STATE AND LOCAL GOVERNMENT** (3) The structure, organization, and activities of state and local government.
- 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 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 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 340 **THE PRESIDENCY** (3) The nature and function of executive power in the American political system.
- POLI 345 **PRESSURE GROUPS AND 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 **CONSTITUTIONAL LAW** (3) Detailed reading of American constitutional law cases; the role of the Supreme Court in American politics.
- POLI 350 **POLITICAL THEORY AND 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.
- POLI 352 **PRINCIPLES OF RESEARCH** (3) (SOCI 352, SOCW 352) In-depth study of the basic steps and processes in scientific inquiry.
- POLI 353 **APPLIED RESEARCH METHODOLOGY** (3) (SOCI 353) Ethnographic research methods.
- POLI 359 **CAMPAIGNS, ELECTIONS AND PARTIES** (3) Examination of electoral politics, political parties, and campaign processes and issues in the U.S.

- 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 **UNITED STATES 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 use of force.
- POLI 378 **INTERNATIONAL ORGANIZATIONS** (3) The United Nations, modern society of sovereign nations, international law, diplomacy, and peacekeeping.
- POLI 379 **POLITICAL DEVELOPMENT** (3) A survey of the major theoretical approaches to the processes of political and social change.
- POLI 390 **SEMINAR: INTERNATIONAL RELATIONS** (3) Senior comprehensive paper. Research methods.
- 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 AND RESEARCH** (Credit to be arranged.) 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) (SOVI 398) Examination of the processes and issues in local government through hands-on experience in a political office or related organization.
- POLI 490 **DIRECTED STUDY** (Credit to be arranged.) Opportunity to pursue a topic or project of individual interest. Subject to approval of department chairperson.

Psychology (PSYC)

Lower Division Courses

- PSYC 100 **EFFICIENT READING AND 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 **GENERAL EXPERIMENTAL PSYCHOLOGY 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. Corequisite: PSYC 122.
- PSYC 122 **GENERAL EXPERIMENTAL PSYCHOLOGY I LABORATORY** (1) (Three laboratory hours per week.) Laboratory experiments demonstrating principles described in the lectures (PSYC 121). Corequisite: PSYC 121.
- PSYC 123 **GENERAL EXPERIMENTAL PSYCHOLOGY 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. Corequisite: PSYC 124. Prerequisite: PSYC 121/122.
- PSYC 124 **GENERAL EXPERIMENTAL PSYCHOLOGY II LABORATORY** (1) (Three laboratory hours per week.) Experiments demonstrating principles described in the lectures (PSYC 123). Corequisite: PSYC 123.

- PSYC 141 **HUMAN GROWTH AND DEVELOPMENT I: THEORY** (2) (EDFD 141) The genetic study of growth and development. Influence of heredity and environment. Birth through middle childhood. Field experiences.
- PSYC 142 **HUMAN GROWTH AND DEVELOPMENT II: PRACTICE** (2) (EDFD 142) Human growth and learning. Evaluation, observation skills, behavior problems. Preadolescent to adulthood. Field experiences.

Upper Division Courses

- PSYC 210 **STATISTICAL TECHNIQUES** (3) (EDCL 510) Basic statistics in psychology and education. Measures of central tendency and variability, correlational techniques, and experimental test of differences among groups.
- PSYC 211 **COMPUTER APPLICATIONS FOR THE SOCIAL SCIENCES** (3) (SOCW 211) 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.
- PSYC 215 **HUMAN LIFE CYCLE I: CHILD** (3) Psychological, physiological, and social development of the child from conception to adolescence.
- PSYC 221 **EXPERIMENTAL PSYCHOLOGY I** (2) Basic exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Prerequisites: PSYC 101, 210, 211. Corequisite: 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. Prerequisite: PSYC 221. Corequisite: PSYC 224.
- PSYC 223 **EXPERIMENTAL PSYCHOLOGY I LABORATORY** (1) Development of hypotheses, design and carry out psychological research, analyze data and interpret results. Corequisite: PSYC 221.
- PSYC 224 **EXPERIMENTAL PSYCHOLOGY II LABORATORY** (1) Development of hypotheses, design and carry out psychological research, analyze data and interpret results. Corequisite: PSYC 222.
- PSYC 231 **DEVELOPMENTAL PSYCHOLOGY** (3) (EDCL 231) Factors influencing man's life span. Application to stages of physiological maturation, developmental tasks, social learning, personality integration.
- PSYC 232 **CHILD PSYCHOLOGY** (3) (EDCL 232/532) The genetic study of growth and development; hereditary and environmental factors; early and later childhood to puberty.
- PSYC 233 **ADOLESCENT PSYCHOLOGY** (3) (EDCL 233) Interrelated physical, social, and moral development associated with youth and adolescence.
- PSYC 261 **SOCIAL PSYCHOLOGY** (3) (EDCL 261, SOCW 261) The individual's personality, attitudes, and behavior in multi-individual situations.
- PSYC 271 **INTRODUCTION TO THE EMOTIONALLY DISTURBED CHILD** (2) (EDSP 204) Symptoms of maladaptive behavior in youngsters. Evaluation of etiological factors. Personality disorders, services, facilities and agencies for treatment.
- PSYC 274 **PSYCHOLOGY OF ADJUSTMENT** (3) (EDCL 274) Progressive stages of development in emotional growth. Factors of adjustment and maladjustment in education, social relations, and occupations.
- PSYC 276 **PSYCHOLOGY OF DELINQUENCY** (2) (CJUS 276, CJUS 676, EDCL 276) Types and causes of juvenile delinquency together with brief case histories.
- PSYC 277 **ABNORMAL PSYCHOLOGY** (3) (EDCL 277) 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 300 **HUMAN LIFE CYCLE II: ADOLESCENT - ADULT** (3) (SOCW 300) Psychological, physiological, and social approach to development and experience from

- adolescence to death. (Interdisciplinary taught). Prerequisites: PSYC 101, 232 and SOCI 101.
- PSYC 301 **HISTORY AND SYSTEMS OF PSYCHOLOGY** (3) Modern scientific psychology including its various schools and their backgrounds.
- PSYC 310 **MARRIAGE AND THE FAMILY** (3) (SOCI 310, THEO 310) 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 PSYCHOLOGY** (3) (HRES 330, MGMT 321) 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 365 **PSYCHOLOGY OF WOMEN** (3) (EDCL 365) Study of the biological, psychological, and social needs and issues of women.
- PSYC 366 **CRIME AND PERSONALITY** (3) (CJUS 266, CJUS 566, EDCL 266/566) 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 379 **PSYCHOLOGICAL AND ACHIEVEMENT TESTS** (3) (EDCO 579) 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 395 **DIRECTED STUDY** (Credit to be arranged.) Specific research or practicum related project in the field of psychology. Research paper and final exam required. Seniors only. Approval of department chair.
- PSYC 409 **GROUP DYNAMICS** (3) (SOCW 409) 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. Prerequisite: PSYC 221, 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 **PSYCHOLOGY OF SENSATION AND 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 431 **CLINICAL & RESEARCH ISSUES: THE SEVERELY MENTALLY DISABLED POPULATION** (3) (SOCW 432) A survey of the chronic patients with severe emotional problems, etiology, diagnosis, and treatment issues.
- PSYC 452 **INTRODUCTION 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) (EDCL 464/564, PSYC 504) Description and evaluation of current personality theories. Upon approval of department chair.
- PSYC 477 **SPORTS PSYCHOLOGY** (2-3) (EDCL 477) 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** (1-3) Library research project assisted and supervised by staff member. Final oral exam. Seniors, graduate students only. Required research paper. Upon approval of department chair.

- PSYC 490 **UNDERGRADUATE PRACTICUM IN PSYCHOLOGY** (1-3) Interviewing, behavior observation, test administration, report writing, and group dynamics through on-the-job training. Open to seniors only, upon approval of the department chair.
- PSYC 499 **SENIOR COMPREHENSIVE REVIEW** (3) Required of all majors. May substitute original research project upon approval of department chair. Prerequisites: senior standing and department chair approval.

Graduate Courses

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

The following courses are required of all graduate students: PSYC 504, 506, 511, 512, 520, 521 and 609.

- PSYC 501 **CONTEMPORARY THEORIES IN PSYCHOLOGY** (3) Focus on concepts basic to current theory, research, and practice in psychology.
- PSYC 502 **PHILOSOPHICAL ISSUES IN PSYCHOLOGY** (3) Historical development of basic psychological concepts from Aristotle to the present. Interrelations between science, art, philosophy, and theology in understanding human nature.
- PSYC 503 **ADVANCED EDUCATIONAL PSYCHOLOGY** (3) (EDFD 503) Aimed at extending each student's knowledge of recent developments in psychology as applicable to the field of education.
- PSYC 504 **THEORIES OF PERSONALITY** (3) (EDCL 464/564, PSYC 464) Advanced study regarding the structure and functions of personality as well as an evaluation of current personality theories.
- PSYC 505 **PROFESSIONAL PROBLEMS AND ETHICS IN PSYCHOLOGY** (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) (EDCL 511) Multivariate analyses emphasizing correlational (multiple regression, discriminant analysis, factor analysis, etc.) and experimental (ANOVA, MANOVA, ANOCOVA, etc.) approaches to experimental design and analysis. Prerequisite: PSYC 210 or its equivalent.
- PSYC 512 **ADVANCED STATISTICS II** (2) Continuation of PSYC 511. Prerequisite: PSYC 511.
- PSYC 520 **COMPUTER STATISTICAL LANGUAGE I** (1) Application and interpretation of statistical packages for use in psychological research. (Taken concurrently with PSYC 511.)
- PSYC 521 **COMPUTER STATISTICAL LANGUAGE II** (1) Continuation of PSYC 520. Prerequisite: PSYC 520. (Taken concurrently with PSYC 512.)
- PSYC 522 **PERSONNEL PSYCHOLOGY** (3) (HRES 915) 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.
- PSYC 530 **LEARNING AND MOTIVATION** (3) (EDCL 530) 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 532 **PRINCIPLES OF GUIDANCE** (2) A basic introduction to the area guidance and counseling services in the schools.
- PSYC 533 **COUNSELING PRINCIPLES AND TECHNIQUES** (2-3) (EDCO 533) Foundations of counseling, specific methods used in counseling, basic issues related to the counseling process and special problems that are part of the counseling process.
- PSYC 536 **GROUP PROCESS** (3) (EDCO 536) Laboratory course. Individual roles in the group. Interpersonal relations. For counseling, teaching, and persons involved in personnel work.
- 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) (EDCL 580) Study of descriptive and dynamic psychopathology via DSM-IV and psychodynamic theory. Clinical interviewing and diagnostic criteria.
- PSYC 582 **ASSESSMENT I: INTELLIGENCE** (3) Theory, administration, analysis and report writing of individual tests of intelligence: Stanford-Binet, 4th Ed., WAIS-R, and WISC-III. Permission of department chair is necessary.
- 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. Permission of department chair is necessary.

Students in PSYC 590, 591, 592, and 593 are required to carry liability insurance purchased through the University.

- PSYC 590 **PRACTICUM: EXPERIMENTAL PSYCHOLOGY** (3) Supervised experience in the student's area of interest/concentration. Master of Arts students only.
- PSYC 591 **PRACTICUM: CLINICAL PSYCHOLOGY** (3) Supervised experience in the student's area of interest/concentration. Master of Arts students only.
- PSYC 592 **PRACTICUM: COUNSELING PSYCHOLOGY** (3) Supervised experience in the student's area of interest/concentration. Master of Arts students only.
- PSYC 593 **PRACTICUM: INDUSTRIAL/ORGANIZATIONAL 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 PSYCHOLOGY** (3) Introduction to core conceptual issues in Developmental Psychology, the history of the field, the methods appropriate to 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 AND 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 the 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) Introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experiential learning.
- PSYC 621 **ADVANCED RESEARCH DESIGN AND ANALYSIS** (3) Intensive survey of experimental procedures and advanced issues in experimental design and analysis; introduction to individual laboratory research with special focus on methodological issues in clinical research. Prerequisite: PSYC 511.
- 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 629 **INTERVENTION TECHNIQUES: BEHAVIOR THERAPY** (3) (EDCL 529) 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 TECHNIQUES IN INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (4) The role of assessment in I/O psychology. Skill development in defining performance criteria and in job analysis, conducting assessment interviews, building and using employment tests, developing and carrying out surveys, assessing training needs, evaluating human resources, programs and meeting other assessment needs within the field of I/O psychology.
- PSYC 643 **SEMINAR: INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) Group discussions of current topics in I/O psychology, including both substantive issues and professional matters, especially ethics. Students are expected to carry major responsibility in the examination and discussion of topics at hand. Topics are selected both by students and instructor. Permission of the department chair or instructor is required.
- PSYC 644 **ORGANIZATIONAL PSYCHOLOGY** (3) (MGMT 944) Concepts and controversy related to attempt to explain the motivation and behavior of people in organizations. Perception, expectation, motivation to work, job satisfaction, behavioral and cognitive approaches to management, employee involvement, group functioning, frustration and stress and related topics with emphasis upon current research and literature.
- PSYC 646 **PSYCHOLOGY OF THE EXCEPTIONAL CHILD** (3) (EDSP 646) A typical child in regular and special classrooms. Methods of facilitating growth. Development of children who are crippled, retarded, hard of hearing, defective in vision, defective in speech, etc.
- PSYC 647 **CLINICAL STUDY OF THE 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. Prerequisite: PSYC 650.
- PSYC 685 **ASSESSMENT III: PERSONALITY** (3) Administration, scoring, and interpretation of the Rorschach and TAT. Permission of department chair is necessary.
- PSYC 689 **RESEARCH IN PSYCHOLOGY** (3) Titles to be specified. Special research project supervised by a faculty member. Upon approval of department chair.
- PSYC 699 **MASTER'S THESIS** (3) 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 715 **EARLY COGNITIVE DEVELOPMENT** (3) (EDME 563) 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** (3) Identification, assessment and treatment procedures useful in working therapeutically with a range of psychological disorders experienced by children and adolescents.
- PSYC 730 **INTERVENTION TECHNIQUES: 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, "counseling" vs. counseling and therapy, and 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 TECHNIQUES: PSYCHODYNAMICS** (3) Theoretical and applied aspects of psychotherapeutic process. Permission of department chair is necessary.
- PSYC 747 **INTERVENTION TECHNIQUES: MARITAL AND FAMILY THERAPY** (3) (EDCO 747) 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 the student's area of interest/concentration.
- PSYC 761 **CLINICAL PRACTICUM IV** (3) Continuation of PSYC 760. Prerequisite: 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. Prerequisite: PSYC 787.
- PSYC 789 **RESEARCH III** (3) Continuation of PSYC 788. Prerequisite: PSYC 788.
- PSYC 850 **CLINICAL PRACTICUM V** (3) Supervised experience in student's area of interest/concentration.
- PSYC 851 **CLINICAL PRACTICUM VI** (3) Continuation of PSYC 850. Prerequisite: PSYC 850.
- PSYC 896 **RESEARCH AND CLINICAL ISSUES: SEVERELY MENTALLY DISABLED POPULATION** (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 **INTERVENTION TECHNIQUES: THE SEVERELY MENTALLY DISABLED 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 999 **INTERNSHIP** (6) Intensive, full-time supervised experience in a clinical setting approved by the department. Prerequisite: Matriculation in psychology doctoral program.

Radiologic Technology (RADT)

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. Corequisite: 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). Corequisite: 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. Prerequisite: RADT 160 and 161; Corequisite: 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). Prerequisite: RADT 160 and 161; Corequisite: 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). Prerequisite: RADT 162 and 163.
- RADT 170 **PRINCIPLES OF RADIOGRAPHIC EXPOSURE I** (2) Basic concepts of radiation protection, the process of radiographic image production, and the specific equipment accessories used to produce high quality images.
- RADT 172 **PRINCIPLES OF RADIOGRAPHIC EXPOSURE II** (2) Controlling and influencing factors of radiographic quality. Prerequisite: RADT 170.
- 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.
- RADT 250 **GENERAL RADIOGRAPHY** (2) Specialized radiographic positioning procedures including radiographic anatomy. Prerequisite: RADT 160-163; Corequisite: RADT 261.
- RADT 260 **SPECIAL PROCEDURES** (2) Special radiographic procedures including angiography. Contrast media. Prerequisite: RADT 160-163; Corequisite: RADT 261.
- RADT 261 **RADIOGRAPHIC PRACTICUM IV** (2) Advance radiographic clinical competency training and evaluation, fall semester on Mondays, Wednesdays and Fridays at an affiliate hospital (24 hours/week). Prerequisite: 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). Prerequisite: RADT 261.
- RADT 265 **RADIOGRAPHIC PRACTICUM VI** (3) Continuation of RADT 263, summer semester, Monday through Friday (2 months, 40 hours/week). Prerequisite: RADT 263.
- RADT 270 **PRINCIPLES OF RADIOGRAPHIC EXPOSURE III** (2) Radiographic technique charts and designs. Exposure conversion problems. Anode cooling and tube rating. Prerequisite: RADT 172; Corequisite: RADT 261.
- RADT 280 **PATHOLOGY** (2) Study of diseases and the radiographic evaluation of the disease processes. Prerequisite: RADT 250 and 260.

- RADT 292 **IMAGING EQUIPMENT AND FILM PROCESSING** (2) Defines the design, maintenance, and quality assurance of radiologic equipment and film processing equipment including the processing chemicals. Prerequisite: RADT 270; Corequisite: 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. Prerequisite: RADT 160 and 162, BIOL 140-143, or Registered Radiographers by the A.R.R.T. who have graduated from an accredited school in Radiologic Technology.

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

Social Work (SOCW)

Lower Division Courses

- SOCW 101 **INTRODUCTION TO CRIMINAL JUSTICE: POLICE, COURTS & CORRECTIONS** (3) (CJUS 101) 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) (SOC1 167, CJUS 167) 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 THE SOCIAL SCIENCES** (1-3) (PSYC 211) 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) (CJUS 321) 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) (CJUS 260) 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** (2-3) (PSYC 261, EDCL 261) The individual's personality, attitudes, and behavior in multi-individual situations.
- SOCW 264 **SOCIAL CHANGE** (3) (SOC1 264) Studying alterations in cultural patterns, social structure, and social behavior.
- SOCW 265 **OVERVIEW OF CONTEMPORARY CORRECTIONS** (3) (CJUS 364, CJUS 664) Compares historical and contemporary methodologies, presents and critiques jail and prison programs, applies court decisions to current practices, and generally analyzes institutional and noninstitutional 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 300 **HUMAN LIFE CYCLE II: ADOLESCENT-ADULT** (3) (PSYC 300) Psychological, physiological, and social approaches to development and experience from adolescence to death. Interdisciplinary. Prerequisites: PSYC 101, 232, and SOCI 101.
- SOCW 307 **CHILD WELFARE** (3) (CJUS 307) Knowledge of child welfare services. Historical development of services to children, types of needs children have, types of organized services they receive, and personnel available to give services to children.
- SOCW 310 **FAMILY AND SOCIETY** (2-3) (EDCL 210) Marriage preparation, partner selection, marital adjustment, family structure and functions, and marital dissolution. Current problems facing the family, macro-intervention strategies for problem resolution.
- SOCW 313 **LIFE-STYLES IN A CHANGING SOCIETY** (2-3) 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 INSTITUTIONS AS SYSTEMS** (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. Prerequisite: SOCW 167.
- SOCW 316 **SOCIAL POLICY AND 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) (CJUS 318) 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. Corequisite: SOCW 415.
- SOCW 325 **WOMEN/MEN: MYTH AND 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 issues and problems of the adolescent.
- 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) (SOCI 382) The importance of organizations, communities, society, and global influences in assessing human behavior in the social environment.
- SOCW 395 **DIRECTED STUDY** (Credit to be arranged.)
- SOCW 402 **CHILD ABUSE** (2-3) 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 409 **GROUP DYNAMICS** (3) (PSYC 409) 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.
- SOCW 412 **DYNAMICS OF OLDER ADULTS** (3) A study of issues and problems relevant to older adults.
- SOCW 415 **THEORY AND METHODS OF SOCIAL WORK PRACTICE I: MICRO** (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. Prerequisites: SOCW 167, 300, 315; PSYC 232.
- SOCW 416 **THEORY AND METHODS OF SOCIAL WORK PRACTICE II: MACRO** (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. Prerequisite: SOCW 415.
- SOCW 417/ **SOCIAL WORK FIELD INSTRUCTION** (4) Students are provided with an
418 opportunity to work directly with clients in an existing social service agency under the supervision of a skilled practitioner. Prerequisite: SOCW 415, Corequisites: SOCW 419, 420.
- SOCW 419/ **SOCIAL WORK SEMINAR** (1) Designed to provide the student with an
420 opportunity to integrate the knowledge and theory acquired in the classroom with the experiential learning gained from actual work experience. Prerequisite: SOCW 320 and 415.
- SOCW 424 **RESEARCH PAPER** (1) A research paper is completed in a substantive area important to social work. Prerequisite: SOCW 352.
- SOCW 432 **RESEARCH AND CLINICAL ISSUES: SMD POPULATION** (3) (PSYC 431) A survey of the chronic patients with severe emotional problems, etiology, diagnosis, and treatment issues.

Sociology (SOCI)

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) (SOCW 167, CJUS 167) 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 **HUMAN SPECIES** (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) 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/R&S Focus elective.
- SOCI 232 **SOCIOLOGY OF SPORT** (3) Organized sport as an important institutional component of American culture and society.
- SOCI 245 **APPALACHIAN IN URBAN LIFE** (3) Subcultural contact with the urban community. Social and economic adjustment problems of this group.
- SOCI 246 **CINCINNATI HISTORY AND POLITICS** (3) (POLI 211, HIST 245) A political history of Cincinnati with an analysis of contemporary urban politics.
- SOCI 250 **RACIAL AND 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) (SOCW 264) Studying alterations in cultural patterns, social structure, and social behavior.
- SOCI 269 **POPULAR CULTURE** (3) Critical perspectives on the production, interpretation, and effects of popular culture.
- SOCI 285 **MAGIC AND WITCHCRAFT** (3) Mysticism and the supernatural in social context. The meanings and functions of magic and witchcraft within various cultural contexts.

- SOCI 290 **CRIMINOLOGY AND PENOLOGY** (3) (CJUS 290) 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) (PSYC 310, THEO 310) 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 352 **PRINCIPLES OF RESEARCH** (3) (POLI 352, SOCW 352) In-depth study of the basic steps and processes in scientific inquiry.
- SOCI 353 **APPLIED RESEARCH METHODOLOGY** (3) (POLI 353) Ethnographic research methods. Senior comprehensive research paper. Prerequisite: SOCI 352.
- SOCI 358 **URBAN AMERICA** (3) (POLI 353) Historical development and demographic patterns of the city and its environs. Sociocultural and ecological perspectives used to examine urban, suburban, and rural areas.
- SOCI 365 **CLASS AND CLASS CONFLICT** (3) (CJUS 265) 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 AND HEALTH CARE** (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) (SOCW 382) The importance of organizations, communities, society, and global influences in assessing human behavior in the social environment.
- SOCI 398 **INTERNSHIP: SOCIAL SERVICE** (3) (POLI 398) 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** (Credit to be arranged.) Opportunity to pursue a topic or project of individual interest. Subject to approval of department chairperson.

Spanish (SPAN)

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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.
- SPAN 301 **ADVANCED SPANISH II** (3) A language development course which offers advanced and comprehensive study of the structure of the Spanish language, emphasizing listening, writing, reading, and cultural aspects. This course will present finer points of the language not covered in Advanced Spanish I. Prerequisite: 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. Prerequisite: 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) (SPAN 625) Study of the evolution and development of the Spanish language from Latin to present day Spanish.
- SPAN 326 **SPANISH LANGUAGE FOR TEACHERS** (3) (SPAN 626) 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) (SPAN 627) 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) (SPAN 628) Study of the phonetic system of the Spanish language, including transcription and identification of dialectical 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) (SPAN 652) An intensive course focusing on contemporary cultural information about the Spanish speaking world and techniques for classroom implementation.
- SPAN 353 **INTRODUCTION 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/R&S Focus elective. Prerequisite/Corequisite to 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) (SPAN 615) 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 LITERATURE & CIVILIZATION I** (3) A chronological study of Spanish-American literature and civilization from the colonial period through the 18th century.
- SPAN 428 **SPANISH-AMERICAN LITERATURE & CIVILIZATION II** (3) A continuation of SPAN 427 covering the 19th and early 20th centuries.
- SPAN 429 **SPANISH-AMERICAN LITERATURE & 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 authors and genres 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 authors and genres.
- SPAN 445 **TWENTIETH-CENTURY SPANISH-AMERICAN LITERATURE** (3) Representative authors and genres.
- SPAN 450 **HISPANIC LITERATURE** (3) Analysis of excerpts from representative authors.
- SPAN 495 **DIRECTED STUDY: LANGUAGE** (1-3) Independent study.
- SPAN 496 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1-3) Independent study.
- SPAN 497 **DIRECTED STUDY: LITERATURE** (1-3) Independent study.

Graduate Courses

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

- SPAN 615 **HISPANIC LITERATURE IN THE CLASSROOM** (3) (SPAN 415) Study of strategies for integrating literature with language and culture in the secondary Spanish classroom.
- SPAN 625 **HISTORY OF THE SPANISH LANGUAGE** (3) (SPAN 325) Study of the evolution and development of the Spanish language from Latin to present day Spanish.
- SPAN 626 **SPANISH LANGUAGE FOR TEACHERS** (3) (SPAN 326) 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) (SPAN 327) 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) (SPAN 328) Study of the phonetic system of the Spanish language, including transcription and identification of dialectical features.
- SPAN 695 **DIRECTED STUDY: LANGUAGE** (1-3) Independent study.
- SPAN 696 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1-3) Independent study.
- SPAN 697 **DIRECTED STUDY: LITERATURE** (1-3) Independent study.
- SPAN 700 **GRADUATE RESEARCH: SPANISH** (3) Research for the M.A.

Statistics (STAT)

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. Prerequisite: MATH 156 and INFO 301.

Graduate Courses

STAT 801 **MANAGERIAL STATISTICS** (3) Descriptive statistics, statistical inference, linear regression, auto correlation analysis and forecasting models.
STAT 942 **STATISTICS OF 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. Prerequisites: STAT 801, MGMT 901. Recommended: MGMT 950.

Theology (THEO)

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 201 **A SURVEY OF CHURCH HISTORY** (3) A survey of the development of the Church, in its institutional and theological dimensions, from the New Testament era to the 20th century.
THEO 203 **EASTERN ORTHODOX CHURCH** (3) Detailed survey of the history and belief of the Orthodox Church.
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 217 **INTRODUCTION TO THE CHURCH FATHERS** (3) (CLAS 345) The Fathers of the first five centuries. The Church's defense against pagans and heretics. Confrontation with the Empire. Development of doctrine.
THEO 221 **CHRISTIAN VISION OF THE PERSON** (3) Examines the issues of grace, sin, freedom both from an historical perspective and contemporary reflection.
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 Christian 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 AND 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 232 **APPROACHES TO GOD** (3) Divine transcendence and the possibilities of human knowledge and experience of God. Contemporary problems of belief, unbelief, atheism.
- 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 235 **CHURCH IN THE WORLD** (3) Study of how church, culture, and belief mutually influence the character of Christian belief in the United States and in other parts of the world.
- THEO 239 **THE 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) (GREK 241) Study of the language and theology of the Greek New Testament.
- THEO 245 **GOD, CREATION AND ECOLOGY** (3) To better understand the environment and the harm being done to it. To better integrate Christian beliefs with environmental concerns.
- 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 **INTRODUCTION 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 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 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 **THE COMMUNITY OF THE 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 272 **NEW TESTAMENT ETHICS** (3) 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 of today?
- 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 **THE JESUS SEMINAR** (3) An investigation into the historical authenticity of the Jesus traditions through intensive group work and debate.
- THEO 290 **SEMINAR; CHRISTIAN DOCTRINE TODAY** (3) A study of contemporary systematic issues or figures. (For majors and other qualified students.)
- THEO 303 **CHRISTIAN ETHICS: METHODS AND QUESTIONS** (3) Introduction to the methods and central questions of Christian ethics. (Limited to majors and other interested and qualified students.) Fulfills the E/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.
- THEO 304 **AIDS: AN ETHICAL INQUIRY** (3) Exploration of the ethical dilemmas rooted in the medical, social, political, and cultural reality of AIDS.
- THEO 306 **LIBERATION ISSUES AND THEOLOGY** (3) Origins and development of the theology of the liberation movements of women, Latin Americans, blacks, and other marginalized groups.
- THEO 310 **MARRIAGE AND THE FAMILY** (3) (SOC 310, PSYC 310) A practical overview of marriage in light of Church tradition and insights from contemporary studies. Team-taught with the interaction of 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and 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/R&S 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and 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 toward peace and war. How are Christians called to peace?

- THEO 321 **MEDITATION: THEORY AND 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 of white churches and society.
- 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) History of Christian teachings on woman's nature and place, interplay of religion and feminism in the 19th and 20th centuries, emphasis on recent feminist theology. Fulfills the E/R&S Focus elective.
- THEO 330 **IGNATIAN SPIRITUALITY TODAY** (3) Study of Ignatius Loyola and his spiritual journey in historical context and as the foundation of Jesuit relevancy for reform today.
- THEO 331 **FAITH AND DOUBT IN MODERN LITERATURE** (3) Study of questions of religious faith and doubt in contemporary western literature.
- THEO 333 **JESUS IN FAITH AND 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 NONVIOLENCE** (3) Exploration of the life and teachings of Dorothy Day, Mohandas Gandhi, and others and their implications for contemporary spirituality and theology.
- THEO 340 **AMERICAN CHURCH AND PUBLIC ISSUES** (3) Examination of the relationship between the church and political life in America, including the study of different public issues and different proposals for their solution.
- THEO 341 **CONTEMPORARY PROTESTANT THEOLOGY** (3) Study of major Protestant theologians of the twentieth century.
- 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 346 **HUMAN COMMUNITY: NEEDS AND RIGHTS** (3) Study of the theological and socioeconomic foundations of human community and of the community and of the concepts of justice and human rights. Fulfills the E/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and 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/R&S Focus elective.
- THEO 380 **CATHOLICITY, PLURALISM AND 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 388 **THEOLOGY & ECOLOGY: THE LIBERATION OF LIFE** (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 390 **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 403 **PERSONAL ETHICS** (3) An examination of one's personal ethical outlook in light of the values and beliefs of the Christian community and current debates in ethics. Special emphasis on conscience and issues of commitment and adult moral development.
- THEO 495 **DIRECTED STUDY** (Credit to be arranged.) An undergraduate course of study done on an individual basis with a professor.

Graduate Courses

- THEO 502 **CHRISTIAN TRADITION AND THE 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 503 **NEW TESTAMENT ETHICS** (3) A critical examination of the language and phenomenon of power in the New Testament in order to interpret the forces determining our existence and the possibilities of human liberation.
- THEO 504 **FOUNDATIONS OF SCRIPTURE STUDY** (3) Introduction to the literacy, historical, and religious context of the Hebrew Bible.
- THEO 505 **GOSPEL OF MARK: THE DRAMA OF DISCIPLESHIP** (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 **FOUNDATIONAL ISSUES IN CHRISTIAN ETHICS** (3) An introduction to Christian ethics, exploration of basic methodological questions, and discussion of selected contemporary issues.
- 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 513 **ORAL, WRITTEN AND ELECTRONIC GOSPEL** (3) Investigation of the oral and written transmissions of the Christian message in the face of the new demands of the electronic age.
- 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 OF A 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** (3) An introduction to the evolution of Christian thought 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 530 **CONTEMPORARY CHRISTOLOGIES** (3) A study of various systematic approaches to the mystery of Christ and specific Christological models.
- THEO 531 **GOD: PROBLEM AND 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 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 538 **RELIGIOUS EDUCATION TODAY** (3) A study of the foundations of religious education: faith, religion, belief, theology, and education. In addition, an historical overview of the development of catechesis.

- 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 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 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 559 **CHRISTIAN SPIRITUALITY: PAST AND PRESENT** (3) History of Christian spirituality and themes of contemporary spirituality.
- THEO 564 **KEY THEMES IN THE HISTORY OF CHRISTIAN THOUGHT** (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 573 **CATHOLICITY, PLURALISM AND 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 581 **FAITH AND DOUBT IN MODERN LITERATURE** (3) Explanation of attitudes of faith and doubt in significant works of modern literature, philosophy, and theology.
- THEO 583 **CHRISTIAN INITIATION** (3) Begins with an analysis of Christian conversion against the background of contemporary theology and psychology. Explores the meaning of baptism, confirmation and penance as related to Christian Initiation.
- 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 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 AND 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) Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture.
- THEO 672 **THEOLOGY AND 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 AND 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 695 **SPECIAL STUDY** (3) A graduate course of study done on an individual basis with a professor.
- THEO 699 **MASTER'S THESIS** (6) Research project to be done as a partial requirement for Theology Master's degree.

University Studies (UNST)

- 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 IN 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and 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/R&S Focus elective. Prerequisite/Corequisite to PHIL 100 and THEO 111.