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UNDERGRADUATE

Course Catalog

*College of Business,
College of Education and Health Services,
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As of 2/9/12

HADM 362 Management of Health Services Organizations. Basic management principles and practical tools for health professionals. Introduction to managerial functions and components of health organizations. Cross listed with MPH 662. 3 semester hours. *Consent Required.*

HADM 363 Legal Aspects of Health Care Administration. Covers the issues of patient rights and consent, reimbursement, expansion, malpractice, risk management and coordination with regulatory agencies. 1.5 semester hours.

HADM 371 Finance in Public Health Care Delivery. This course considers the development of managed care, types of organizations and plans, financial models, risk management and trends, plus the complex interplay of provider, employer, payer and patient and probes the impact of managed care on health care provides, including the effects on utilization management, outcomes monitoring, quality assessment, shifting risk to providers and delivery trends. Prerequisite: HADM 300 3 semester hours.

HADM 372 Managed Care Impact on Care Delivery. This course probes the impact of managed care on health care providers, including the effects on utilization management, outcomes monitoring, quality assessment, shifting risk to providers and delivery trends. Prerequisite: HADM 371 1.5 semester hours.

HADM 386 Government Regulations in the Health Industry. Regulations and systems designed to protect personal health information (e.g. HIPPA), licensing of health facilities; and quality of health care. Offered spring and summer. Cross listed with MPH 686. 3 semester hours. Typically offered Spring and Summer Terms. *Consent Required.*

HADM 392 Health Policy and Law and Legal Aspects of Health Care. Examination of the legal implications of implementation of health policies. Cross listed with MPH 692 3 semester hours. Typically offered Spring Term.

Health Science

HLSC 291 Medical Terminology. Introduction of medical terms for each body system and speciality medical fields. Includes word roots, prefixes and suffixes commonly encountered in the health care field. Fall, Spring, Summer. 2 semester hours. Typically offered Fall, Spring, and Summer Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

HLSC 300 Practicum Experience in Veterinary Medicine. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 301 Practicum Experience: Medicine. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 302 Practicum Experience - Dentistry. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*



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HLSC 303 Practicum Experience - Occupational Therapy. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 305 Practicum Experience - Podiatry. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 307 Practicum Experience - Physical Therapy. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 309 Practicum Experience - Optometry. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 310 Practicum Experience - Chiropractic. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. *Consent Required.*

HLSC 321 Fitness Testing. Laboratory and field-based testing of selected physiological parameters of the human. Exercise leadership principles and skills are emphasized. Fall. Prerequisite: Must be accepted into the 4 + 1 Clinical Exercise Physiology graduate program to register. Crosslisted with EXPH 521. 1 semester hour. *Consent Required.*

HLSC 322 EKG Lab. Practice in the measurement and interpretation of the 12-lead EKG: normal, changes with disease, changes with exercise and stress testing. Spring. Prerequisite: HLSC 321/ EXPH 521. Cross-listed with EXPH 522, NTR 522. 1 semester hour. *Consent Required.*

HLSC 360 Advanced Cardiovascular and Respiratory Physiology. In depth study of the normal functioning of the cardiovascular and respiratory systems. Emphasis is placed on the acute effects of exercise as well as the adaptations that occur as a result of exercise. Fall. Prerequisite: BIOL 258. Crosslisted with EXPH 560. 3 semester hours. Typically offered Fall Term. *Consent Required.*

HLSC 361 Cardiopulmonary Pathophysiology and Prevention. Study of the disease and progression of cardiovascular and respiratory system diseases. Programs for primary and secondary prevention will be discussed. Spring. Prerequisite: HLSC 360/ EXPH 560. Crosslisted with EXPH 561. 3 semester hours. Typically offered Spring Term.



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HLSC 380 Current Topics in Exercise Physiology. An introduction to the research literature in exercise physiology with special emphasis on research design, statistical analysis, and epidemiology, providing the basis for literature discussion in other courses. Other topics relevant to the exercise physiology program will be addressed in this forum. Fall. Not a science elective for HLSC majors. Crosslisted with EXPH 580. 2 semester hours. Writing Intensive Course. Typically offered Fall Term. *Consent Required.*

HLSC 389 Health Sciences Research. Students desiring more intensive original research, with extensive requirements for laboratory or clinical facilities may use this as an extension of practicum, internship and other courses in this section. 1-3 semester hours. *Consent Required.*

HLSC 390 Internship. Practical experience in exercise physiology in various settings such as Villa St. Benedict, hospitals, rehabilitation centers, YMCAs, colleges and corporations under the supervision of an experienced on-site professional. Internships available in wellness/fitness, rehabilitation, diagnostics or research. Each Semester. 1-2 semester hours. Typically offered Fall, Winter, and Spring Terms. *Consent Required.*

HLSC 391 Selected Topics in Health Sciences. Special courses in the health fields with which the student has not become aquatinted in formal course work. May be an extension of or a supplement to material previously encountered, or lectures from a completely new area. Prerequisite: Department Consent. Periodically. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

HLSC 392 Exercise Biochemistry and Metabolism. Principles of biochemistry and metabolism of biomolecules as they pertain to rest and exercise. Interconversion of nutrients and their usage, integration of hormones and their metabolic effects on each organ system will be emphasized. Spring. Prerequisite: BCHM 251 or 261 or 361 or CHEM 103. Cross listed with HLSC 392/EXPH 591. 3 semester hours. Typically offered Spring Term.

HLSC 395 Independent Study. Prerequisite: Department Consent. Periodically. 1-3 semester hours. *Consent Required.*

History

HIST 101 Western Civilization to 1715. An integrated survey of the development and interaction of the centers of civilization throughout the Western world to 1715. Periodically. IAI H2 901. 3 semester hours. Typically offered Periodically.

HIST 111 American History to 1865. Covers the Colonial era, the revolutionary age, internal growth of the Republic, and causes of the Civil War. Fall. IAI H2 904; S2 900; HST 911. 3 semester hours. Typically offered Fall Term.

HIST 112 American History since 1865. Covers the industrialization of America; the organization of labor; the development of imperialism; the growth of foreign policy. Spring. IAI H2 905; S2 901; HST 912. 3 semester hours. Typically offered Spring Term.

HIST 200 Introduction to American Studies. This course uses elements of fiction and non-fiction in the study of various topics of race, class and gender in American Studies. (Topics vary). Fall. Cross-listed with GBLS 200 3 semester hours.

HIST 203 Historiography. Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: HIST 111, HIST 112. 3 semester hours. Writing Intensive Course.



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HIST 205 American Economic History. Analysis of the growth of the U.S. economy and the role of government, business and labor. 3 semester hours.

HIST 206 Modern European Economic History. Analyzes the evolution of manufacturing, agriculture, demography and international trade of Europe since 1500. 3 semester hours.

HIST 210 Africa to 16th Century. Surveys early African civilization and formation and development of major kingdoms. 3 semester hours.

HIST 211 Modern Africa. Surveys the major historical and cultural developments in Africa from the 19th century to the present. 3 semester hours.

HIST 212 Colonial Latin America, 1492-1821. Surveys the pre-colonial societies (Olmec, Toltec, Aztec, Maya, Inca) that shaped the Americas prior to the coming of the Europeans, the European conquest of the Americas, the establishment of colonial societies in the Americas, through the nineteenth century wars of independence and ending with the demise of the Spanish empire in the Americas, the Cuban-Spanish War (1895-1898). 3 semester hours.

HIST 213 Contemporary Latin America, 1898-2000. Beginning with the creation of independent nation states in Latin America, this course will survey the social processes, issues and events that have given rise to contemporary Latin America as well as the impact of Latin America on the wider world. 3 semester hours.

HIST 214 The African Diaspora in Latin America, 1492-1899. An interdisciplinary course that explores the African diaspora in Latin American from the conquest of the Americans by Europeans through the end of the century. Examines how Africans and their descendents in conflict and in concert with Native Americans, Europeans and Asians have created new cultures, religions and societies in the Americas. 3 semester hours.

HIST 215 The African Diaspora in Latin America, 1899-2000. An interdisciplinary course that explores the experiences of people of African descent in Latin America focussing on the fight for independence of Latin American and the continuing struggle for economic and social equality in contemporary Latin America. 3 semester hours.

HIST 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours.

HIST 223 Constitutional History of England. The growth and change of the English constitution from late Roman times to the present. 3 semester hours.

HIST 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours.



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HIST 240 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the Twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" the values of freedom, equality, and responsibility. Examines the construction of the modern era focusing on scientific revolutions, economic transformation, religious reformations, and revolution, resistance and republicanism. 3 semester hours.

HIST 242 19th Century Church History. Studies the European Church's reaction to the French Revolution and scientific theories and the social questions of the 19th century. Analyzes the roots of contemporary developments in the church. 3 semester hours.

HIST 243 20th Century Church History. Analyzes the impact of 19th century developments, the world wars, decolonization, intellectual trends, and Vatican II's origins and results. 3 semester hours.

HIST 251 The French Revolution in the Wider World. Examines the intellectual and political dimensions of the French Revolution as well as the intellectual and political ramifications of that revolution in the wider world. The course will focus on the French Revolution as a generative factor in the wars of independence in the Americas, the Haitian Revolution, the European revolutions of 1848 and the Paris Commune. 3 semester hours.

HIST 252 19th Century Europe. Covers the political, military, economic, social, and cultural development of Europe from the French Revolution to 1900. 3 semester hours.

HIST 253 20th Century Europe, 1900 - Present. Covers the political, military, economic, social, and cultural development of Europe, including the Soviet Union, from 1900 to the present. 3 semester hours.

HIST 254 Modern Eastern Europe. Survey of the cultural and historical development of the peoples of Eastern Europe. Covers nationalism, independent states in the inter-war period. Communist control of Eastern Europe, collapse of communism, and the struggle for democracy. 3 semester hours.

HIST 255 Modern Russia. Surveys Russia in the 20th century, including the rise of the Communist Party, the 1917 revolution, Stalinism, de-Stalinization, Gorbachev, perestroika, and the break-up of the Soviet Union. 3 semester hours.

HIST 257 20th Century Social and Political Movements in a Global Context. Explores the major social and political movements that have shaped the world in the twentieth century, such as the Mexican, Russian, Chinese and Cuban Revolutions, populist, revolutionary nationalist and liberation movements in Africa and Latin America as well as the contemporary civil rights and women's movements in the United States. 3 semester hours.

HIST 260 Women in American Society. Examines women's roles in American life and the ways in which they have shaped society, culture and politics. Topics include the major experience of women from the colonial era to the present; gender ideology and the changing images of women; the diversity of race, class and religion. 3 semester hours.

HIST 261 Revolutionary and Jeffersonian Eras: 1763 -1828. Analyzes the causes of the Revolution, origins of the Constitution and early development of the new nation. 3 semester hours.

HIST 262 Antebellum America, 1824-1877. This course examines the economic, political and cultural changes in the United States, culminating in the Civil War. The primary focus of the course is slavery and the battle to dismantle the peculiar institution. 3 semester hours.



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HIST 263 20th Century America to World War II. Analyzes the impact of the later industrialization, reform movements, World War I, Depression and New Deal, World War II. 3 semester hours.

HIST 264 America Since World War II. Discusses the impact of World War II, the Cold War, the affluent society, and contemporary society. 3 semester hours.

HIST 265 African-American History. Surveys the major events in Black history from 1619 to present. Topics include origins of slavery, Blacks in the American Revolution, Civil War and Reconstruction, Harlem Renaissance, Depression, and the modern Civil Rights movement. 3 semester hours.

HIST 266 Vietnam at War. An intensive, holistic study of the United States' involvement in South East Asia. The course examines the war from the Vietnamese, French and American perspectives, taking into account Vietnamese culture and history, French colonialization, and Cold War ideology and strategy. The course also addresses the anti-war movement and the influence of the counter-culture on US policy. 3 semester hours.

HIST 267 Diplomatic History of the United States. The evolution of American foreign policy, emphasizing the domestic and international background of the U.S. expansion from the American Revolution to America's rise as a great power. 3 semester hours.

HIST 268 Colonial America to 1763. Course examines the early European settlement of North America and the economic, political and social consequences of colonization for Europe, Africa and the Native Americans. 3 semester hours.

HIST 270 Labor and the State, 1877-Present. Examines the growth of industrial America and the struggle of workers to organize. The course follows the labor movement in and its various constituencies, from the AFL-CIO to more radical groups such as the IWW, and their impact on American policy and culture. 3 semester hours.

HIST 271 Modern Middle East. An intensive study of 19th and 20th century Middle-East including 3 semester hours.

HIST 272 Early Islamic Middle East 500-1258. The first of a three course sequence studying the history of the Middle East. The course covers the pre-Islamic Middle East including the conflict between the Eastern Roman and Sasanian empires and focuses on the development of an Islamic civilization that spread throughout the Middle East, North Africa and into Spain under the rule of the two most important Islamic dynasties of this period, the Umayyads and the Abbasids. Relations with neighboring regions including Europe are highlighted including the crusades which began in the late eleventh century and continued in Syria/Palestine through the 13th century. Spring. 3 semester hours.

HIST 273 Gun Powder Empires: Middle East 1200-1800. Introduction to the history of the Islamic world in the half-millennium before the rise of Europe following a chronological and thematic frame. Beginning with the Mongol invasions of the 13th century then the emergence of Turkish war bands of the 14th and 15th centuries while the era of bubonic plague (the 'Black Death') in the middle of the 14th century influences economic and social policies. The final chronological segment is the "imperial age" (from its zenith in the late 16th century to its passing the 18th). Spring term. Cross listed with HIST 373 3 semester hours. Typically offered Spring Term.



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HIST 280 The World of Alexander the Great. Course examines the major economic, cultural and political developments during the age of Alexander the Great. The course places Alexander within a global context and also explores the enduring legacy of the period in art, architecture and the development of the ancient world. 3 semester hours. Typically offered Fall Term, Even Years.

HIST 291 Topics. A study of various persons, events, trends, and institutions in European, American or non-Western History. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*

HIST 295 Independent Study. Designed to encourage the superior student to study in-depth and to research an area beyond the undergraduate course offerings. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required.*

HIST 303 Historiography. Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: Hist 111, Hist 112 3 semester hours. Writing Intensive Course.

HIST 305 American Economic History. Analysis of the growth of the U.S. economy and the role of government, business and labor. 3 semester hours.

HIST 306 Modern European Economic History. Analyzes the evolution of manufacturing, agriculture, demography and international trade of Europe since 1500. 3 semester hours.

HIST 310 Africa to 16th Century. Surveys early African civilization and formation and development of major kingdoms. 3 semester hours.

HIST 311 Modern Africa. Surveys the major historical and cultural developments in Africa from the 19th century to the present. 3 semester hours.

HIST 312 Colonial Latin America, 1492-1821. Surveys the pre-colonial societies (Olmec, Toltec, Aztec, Maya, Inca) that shaped the Americas prior to the coming of the Europeans, the European conquest of the Americas, the establishment of colonial societies in the Americas, through the nineteenth century wars of independence and ending with the demise of the Spanish empire in the Americas, the Cuban-Spanish War (1895-1898). 3 semester hours.

HIST 313 Contemporary Latin America, 1898-2000. Beginning with the creation of independent nation states in Latin America, this course will survey the social processes, issues and events that have given rise to contemporary Latin America as well as the impact of Latin America on the wider world. 3 semester hours.

HIST 314 The African Diaspora in Latin America, 1492-1899. An interdisciplinary course that explores the African diaspora in Latin American from the conquest of the Americans by Europeans through the end of the century. Examines how Africans and their descendents in conflict and in concert with Native Americans, Europeans and Asians have created new cultures, religions and societies in the Americas. 3 semester hours.

HIST 315 The African Diaspora in Latin America, 1899-2000. An interdisciplinary course that explores the experiences of people of African descent in Latin America focussing on the fight for independence of Latin American and the continuing struggle for economic and social equality in contemporary Latin America. Prerequisite: Social Science or History major 3 semester hours.



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HIST 320 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. 3 semester hours.

HIST 323 Constitutional History of England. The growth and change of the English constitution from late Roman times to the present. 3 semester hours.

HIST 342 19th Century Church History. Studies the European Church's reaction to the French Revolution and scientific theories and the social questions of the 19th century. Analyzes the roots of contemporary developments in the church. Prerequisite: Social Science or History major 3 semester hours.

HIST 343 20th Century Church History. Analyzes the impact of 19th century developments, the world wars, decolonization, intellectual trends, and Vatican II's origins and results. Prerequisite: Social Science or History major 3 semester hours.

HIST 351 The French Revolution in the Wider World. Examines the intellectual and political dimensions of the French Revolution as well as the intellectual and political ramifications of that revolution in the wider world. The course will focus on the French Revolution as a generative factor in the wars of independence in the Americas, the Haitian Revolution, the European revolutions of 1848 and the Paris Commune. 3 semester hours.

HIST 353 20th Century Europe, 1900 - Present. Covers the political, military, economic, social, and cultural development of Europe, including the Soviet Union, from 1900 to the present. Prerequisite: Social Science or History major 3 semester hours.

HIST 354 Modern Eastern Europe. Survey of the cultural and historical development of the peoples of Eastern Europe. Covers nationalism, independent states in the inter-war period. Communist control of Eastern Europe, collapse of communism, and the struggle for democracy. Prerequisite: Social Science or History major 3 semester hours.

HIST 355 Modern Russia. Surveys Russia in the 20th century, including the rise of the Communist Party, the 1917 revolution, Stalinism, de-Stalinization, Gorbachev, perestroika, and the break-up of the Soviet Union. Prerequisite: Social Science or History major 3 semester hours.

HIST 357 20th Century Social and Political Movements in a Global Context. Explores the major social and political movements that have shaped the world in the twentieth century, such as the Mexican, Russian, Chinese and Cuban Revolutions, populist, revolutionary nationalist and liberation movements in Africa and Latin America as well as the contemporary civil rights and women's movements in the United States. 3 semester hours.

HIST 360 Women in American Society. Examines women's roles in American life and the ways in which they have shaped society, culture and politics. Topics include the major experience of women from the colonial era to the present; gender ideology and the changing images of women; the diversity of race, class and religion. Prerequisite: Social Science or History major 3 semester hours.

HIST 361 Revolutionary and Jeffersonian Eras: 1763 -1828. Analyzes the causes of the Revolution, origins of the Constitution and early development of the new nation. Prerequisite: Social Science or History major 3 semester hours.



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HIST 363 20th Century America to World War II. Analyzes the impact of the later industrialization, reform movements, World War I, Depression and New Deal, World War II. Prerequisite: Social Science or History major 3 semester hours.

HIST 364 America Since World War II. Discusses the impact of World War II, the Cold War, the affluent society, and contemporary society. Prerequisite: Social Science or History major 3 semester hours.

HIST 367 Diplomatic History of the United States. The evolution of American foreign policy, emphasizing the domestic and international background of the U.S. expansion from the American Revolution to America's rise as a great power. Prerequisite: Social Science or History major 3 semester hours.

HIST 368 Colonial America to 1789. Course examines the early European settlement of North America and the economic, political and social consequences of colonization for Europe, Africa and the Native Americans. Spring. 3 semester hours. Typically offered Fall Term.

HIST 370 Labor and the State, 1877-Present. Examines the growth of industrial America and the struggle of workers to organize. The course follows the labor movement in and its various constituencies, from the AFL-CIO to more radical groups such as the IWW, and their impact on American policy and culture. Prerequisite: Social Science or History major 3 semester hours.

HIST 371 Modern Middle East. 3 semester hours.

HIST 372 Early Islamic Middle East 500-1258. The first of a three course sequence studying the history of the Middle East. The course covers the pre-Islamic Middle East including the conflict between the Eastern Roman and Sasanian empires and focuses on the development of an Islamic civilization that spread throughout the Middle East, North Africa and into Spain under the rule of the two most important Islamic dynasties of this period, the Umayyads and the Abbasids. Relations with neighboring regions including Europe are highlighted including the crusades which began in the late eleventh century and continued in Syria/Palestine through the 13th century. Spring. 3 semester hours.

HIST 373 Gun Powder Empires: Middle East 1200-1800. Introduction to the history of the Islamic world in the half-millennium before the rise of Europe following a chronological and thematic frame. Beginning with the Mongol invasions of the 13th century then the emergence of Turkish war bands of the 14th and 15th centuries while the era of bubonic plague (the 'Black Death') in the middle of the 14th century influences economic and social policies. The final chronological segment is the "imperial age" (from its zenith in the late 16th century to its passing the 18th). Spring term. Cross listed with HIST 273 3 semester hours. Typically offered Spring Term, Even Years.

HIST 380 The World of Alexander the Great. Course examines the world of the Mediterranean 360 BC-320 BC and the rise and fall of Alexander the Great. Course focuses on the cultural, economic, political and social history of the period. 3 semester hours. Typically offered Fall Term, Odd Years.



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HIST 391 Topics. Directed readings and research to be used in discussions pertaining to specific topics in European, American or non-Western history. Prerequisite: Social Science or History major, Junior or Senior standing 3 semester hours. Writing Intensive Course. *Consent Required.*

HIST 395 Independent Study. Designed to encourage the superior student to study in-depth and to research an area beyond the undergraduate course offerings. Prerequisite: Consent of Instructor, Social Science or History major 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

HIST 397 Internship. Practical experiences in a related career field under the supervision of the History Department. Prerequisite: Department Consent, 3.00 GPA, Social Science or History major 3 semester hours. *Consent Required.*

HIST 399 Senior Thesis. Senior capstone experience. Pre-requisite: GBLS 101 and GBLS 102 or senior standing. Spring. 3 semester hours.

Honors

HNRS 190 First-Year Colloquium I. Students develop communications, research, and leadership skills while reading great works of literature. Passing HNRS-190 meets the University's HUMN-101 and WRIT-101 requirements. 3 semester hours. *Consent Required.*

HNRS 191 First-Year Colloquium II. Students develop communications, research, and leadership skills while reading great works of literature. Passing HNRS-191 meets the University's WRIT-102 and SPCH-110 requirements. 3 semester hours. *Consent Required.*

HNRS 195 Organizational and Group Dynamics. Presents leadership theory and helps students understand themselves as leaders. Topics include group dynamics, assertiveness, trust and risk-taking, problem solving, delegation, and motivation. 3 semester hours. *Consent Required.*

HNRS 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours.

HNRS 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours.

HNRS 294 Creativity, Art & Culture. A critical examination of classic and contemporary works of art, generating theories concerning artistic creativity. Focus is on works of art and the culture from which art comes. Passing HNRS-294 meets the University's Fine Arts (FNAR) core elective requirement. 3 semester hours. Fine Arts Core Elective. *Consent Required.*



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HNRS 320 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" to "individual and society" in terms of social identity and the values of freedom, equality, and responsibility. Examines the construction of the modern era, focusing on scientific revolutions, economic transformations, religious reformations, and revolutions, resistance, and republicanism. 3 semester hours.

HNRS 393 Global Interdependence. Upper-level study of political themes, with special attention to the 20th century. Passing HNRS-393 meets the University's Political Science / Anthropology (PLSC / ANTH) core elective requirement as well as the HUMN-250 Contemporary World requirement. 3 semester hours. Psychology/Sociology Core Elec.

HNRS 395 Independent Study. Students with interest in independent study of topics not offered in the curriculum may propose a plan of study in conjunction with a faculty member. Approval based on academic appropriateness and availability of resources. Prerequisite: Approval of Scholars Program Director. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

HNRS 397 Internship. Practical experiences in a prospective career field under the supervision of the Scholars Program. Prerequisite: Approval of Scholars Program Director. 3 semester hours. *Consent Required.*

Hpe

HPE 195 Motor, Learning and Human Motion. North Central College course 3 semester hours.

Humanities

HUMN 100 Critical Reasoning. Discussion sessions on gaining critical understanding of readings in the first-year seminar. Integrates critical thinking and study strategies in a meaningful context. Emphasis on: analyzing, synthesizing, and evaluating terminology, concepts and arguments. 1 semester hour. *Consent Required.*

HUMN 200 Climate Change - Semester Interdisciplinary Course. A Meta Course taught by instructors participating in the Climate Change Semester and open only to those students enrolled in participating classes. Course starts mid-semester and covers varied topics related to climate change. A service learning component is included. Consent needed to enroll. 2 semester hours. *Consent Required.*

HUMN 201 Climate Change: Interdisciplinary Seminar. new 2011 1 semester hour.

HUMN 210 Cultural Heritage Seminar. This seminar course is designed around the great books and texts of the Benedictine, Judeo-Christian and Abrahamic tradition(s). It can provide HUMN 220, HUMN 230 or HUMN 240 humanities credit for transfer students only. Pre-requisite: Must be a transfer student. 3 semester hours. Typically offered Fall, Winter, and Summer Terms.



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HUMN 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours.

HUMN 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours.

HUMN 240 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the Twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" the values of freedom, equality, and responsibility. Examines the construction of the modern era focusing on scientific revolutions, economic transformation, religious reformations, and revolution, resistance and republicanism. 3 semester hours.

HUMN 250 The Contemporary World. Drawing upon the resources of the Catholic and Benedictine traditions, this course examines a variety of interpretations of the current world situation in light of the theme "person in community." Have the notions of person and community changed, or are they being changed through current political, economic, cultural and technological challenges? Must have completed over 60 credit hours. 3 semester hours. Writing Intensive Course.

HUMN 291 Topics in Humanities. Special topics offered by visiting lecturers and/or practitioners in the arts and humanities. Content will vary depending on the topic and instructor. 1-3 semester hours.

HUMN 391 Topics in Humanities. Special topics offered by visiting lecturers and/or practitioners in the arts and humanities. Content will vary depending on the topic and instructor. 1-3 semester hours.

International Business

INTB 101 The Global Economy. This core course examines the concept of globalization from an international business and economic perspective. Special attention is paid to the political, legal, cultural and technological forces that affect and are affected by this phenomenon. 3 semester hours. Business Core Elective.

INTB 220 Area Studies. Cultural, economic and business conditions of different world regions. Prerequisite: ECON 101, junior standing and consent of instructor. (Periodically) 3 semester hours. Typically offered Periodically. *Consent Required.*

INTB 291 Topics. This course examines such topics as globalization, international trade and investment, offshoring of production, and the impact of international business on culture. (Periodically) 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

INTB 292 Business Anthropology: Culture and International Business. Introduction to the impact of cultural variation on the functional areas of business with emphasis on globalization and the development of the world system. 3 semester hours. Anthropology Core Elective.



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INTB 297 Internship. An internship with a company, not-for-profit organization, or government agency in an international business capacity. This may involve companies in the U.S. or abroad. Students that complete internships in the United States must arrange an internship that involves some aspects of international operations. Prerequisite: Permission of the department or of the instructor. 2-6 semester hours. *Consent Required.*

INTB 300 Introduction to International Business. This course is designed to introduce students to the importance and role of international business. Predominant themes will be culture and business opportunities. Topics include international trade, balance of payments, multinational corporations and the functional areas of international business. (Fall) 3 semester hours. Typically offered Fall Term.

INTB 302 International Management. Study of the dynamics involved in international business management. Explores key issues such as political, legal and labor environments, strategic planning and organizational design. Emphasis is placed on the role of managers and others in successful international operations. (Spring) 3 semester hours.

INTB 320 Area Studies. Cultural, economic and business conditions of different world regions. Periodically. Prerequisite: ECON 101, consent of instructor. 3 semester hours. Business Core Elective. Typically offered Periodically. *Consent Required.*

INTB 330 Global Human Resource Management. Analyzes effect of human resource practices on the global corporation's strategy and structure, and demonstrates the complexity of recruitment, selection, training, evaluation, compensation, and labor relations in global organizations. (Periodically) 3 semester hours. Typically offered Periodically.

INTB 340 Global Logistics. This course introduces students to the changing and increasingly important role of logistics in the global business arena. Students will explore the areas of inventory planning and management, supply chain integration, transportation and distribution, and warehousing; logistics information systems architectures and implementation strategies; and logistics organization design alternatives. (Periodically.) 3 semester hours. Typically offered Periodically.

INTB 350 International Marketing. Studies strategic issues in marketing products and services across national borders. Examines cultural, legal, ethical, and economic constraints. Prerequisite: INTB 300 or MKTG 300. 3 semester hours.

INTB 351 Global Development Issues. A study of the meaning, measurement and historical context of economic development and the issues underlying the vast differences in development between nations of the world. Topics covered include population, agriculture, industry, trade and foreign debt. (Periodically) 3 semester hours. Typically offered Periodically.

INTB 360 International Trade and Finance. Trade theory, trade barriers, Balance of payments, Exchange Rates, Open-Economy Macroeconomics. Prerequisite: ECON 101, ECON 310, and "C" or better in MATH 115 3 semester hours.

INTB 370 Multinational Corporate Finance. Stresses the financial decision-making of a firm in an international setting. Covers international financial markets, exchange risk management, asset and liability management, and international banking. Pre-requisite: ECON 101, ECON 102, ACCT 111. Spring. 3 semester hours. Typically offered Spring Term.



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INTB 371 International Negotiations. This course aims to introduce students to the theoretical basics of joint problem-solving negotiation, with a particular emphasis on cross-cultural negotiation. As the emphasis here is on learning by doing, students will be lead through a variety of simulations that represent a variety of negotiation settings. (Periodically). 3 semester hours. Typically offered Periodically.

INTB 375 Global Interdependence. Politics of international economics and economic determinants of international politics in a globally interdependent world. (Periodically) 3 semester hours. Typically offered Periodically.

INTB 380 Global Strategic Management. This course, as the capstone to the International Business and Economics major, should come after students have studied all basic aspects of international business. The course focuses on multinational corporate strategies. Using a computer simulation and the case study method, students will apply the concepts of accounting, finance, marketing, and management to the development of an international strategic plan. Prerequisite: Senior standing and consent of instructor. 3 semester hours. Writing Intensive Course. *Consent Required.*

INTB 391 Topics. This course examines such topics as globalization, international trade and investment, offshoring of production, and the impact of international business on culture. (Periodically). 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

INTB 395 Independent Study. Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor. Prerequisite: Permission of the department or of the instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

INTB 397 Internship. An internship with a company, not-for-profit organization, or government agency in an international business capacity. This may involve companies in the U.S. or abroad. Students that complete internships in the United States must arrange an internship that involves some aspects of international operations. Prerequisite: Permission of the department or of the instructor. 2-6 semester hours. *Consent Required.*

International Student Orientation

IPO 100 International Student Orientation. This class will introduce international students to practical cultural differences that exist between the United States and many countries. Topics to be discussed include health care, university facilities and resources, income taxes and employment. Pre-requisites: enrollment as an international student. Cross listed with IPO 400 Typically offered Fall, Spring, and Summer Terms. *Course Repeatable. Maximum number of units allowed 0.*

Ipro

IPRO 320 Olympia Fields Bridge Design. IIT course 3 semester hours. *Consent Required.*

IPRO 347 Green Energy Solutions. Green Energy Solutions using wood biomass for Robbins Community Power. IIT course. 3 semester hours. *Consent Required.*

Literature



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LITR 100 Introduction to Literary Analysis. Introduction to literary study and criticism. Focus on genres, techniques and development of literature. Emphasis on critical reading and writing. Introductory course for Literature majors; prerequisite for 300-level Literature courses. Spring. 3 semester hours. Typically offered Spring Term.

LITR 210 Literature and Film. Selected literary texts and their representation on film; analysis of the relationship between the two genres, and differences between written texts and visual media. Spring, odd years. 3 semester hours. Literature Core Elective. Typically offered Periodically.

LITR 250 Medieval Literature. Study of literature from the medieval era of British history. Students will learn to read Old English and/or Middle English; texts to be studied may include work by Chaucer, the Gawain poet, Langland, medieval dramatists, and other major writers. Counts as pre-1800. Fall, odd years. 3 semester hours. Literature Core Elective. Typically offered Fall Term, Odd Years.

LITR 255 American Literature I. Survey of American literature from its Colonial roots, particularly the influence of the Puritans, to its flowering in New England. Counts as pre-1800. Fall. 3 semester hours. Literature Core Elective. Typically offered Periodically.

LITR 256 American Literature II. Survey of American literature since the Civil War. Emphasis on development of Realism and Naturalism in the nineteenth century, and modernism in the twentieth. Counts as post-1800. Spring. 3 semester hours. Literature Core Elective. Typically offered Spring Term.

LITR 257 British Literature I. Historical survey of representative British literary texts from the Anglo-Saxon period to 1800, with attention to modes of critical reading and development of important genres. Counts as pre-1800. Fall. IAI H3 912. 3 semester hours. Literature Core Elective. Typically offered Fall Term.

LITR 258 British Literature II. Historical survey of representative British and Anglophone literary texts from 1800 to the present, with attention to the larger cultural context and contemporary modes of literary analysis. Counts as post-1800. Spring. IAI H3 913. 3 semester hours. Literature Core Elective. Typically offered Spring Term.

LITR 259 World Literature. Comparative study of major works of the Ancient World, Middle Ages, Renaissance, Enlightenment, Romantic Age, periods of Realism and Naturalism, and Modern World. Fall, even years. IAI H3 907. 3 semester hours. Literature Core Elective. Typically offered Fall Term, Even Years.

LITR 263 Literature of the Early Modern Period. Selected literary and cultural texts drawn from the late sixteenth to the eighteenth centuries. Places these texts in the context of emerging modernity. Counts as pre-1800. Spring, odd years. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Odd Years.

LITR 264 Global/Postcolonial Literature and Theory. A comparative study of literature and theory concerning colonial, postcolonial, third world, and diasporic cultures and communities. The course may include such topics as education and the colonial/postcolonial condition; intellectual culture and imperialism; the politics of tourism, identity and diaspora; travel, migration, and globalization; and trauma, genocide, and historical fiction. Counts as diversity elective for majors. Offered spring, odd years. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Odd Years.

LITR 265 Shakespeare. Critical reading of representative comedies, tragedies, and histories. Emphasis on such issues as his dramatic art, critical response, and role in constructions of literary culture. Counts as pre-1800. Spring, even years. IAI H3 905. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Even Years.



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LITR 266 Studies in the Novel. Critical study of selected novels, with emphasis on British and American writers and forms in English; theories of the novel as literary genre. Topics will vary. Spring, odd years. 3 semester hours. Literature Core & Writing Inte. Typically offered Spring Term, Odd Years.

LITR 267 Studies in Poetry. Critical study of selected poetry, with attention to both formal and interpretive issues; theories of poetry as literary genre. Topics will vary. Spring, even years. IAI H3 903; EGL 915. 3 semester hours. Literature Core & Writing Inte. Typically offered Spring Term, Even Years.

LITR 268 Studies in Drama. Critical study of selected dramatic literature from a range of cultures and periods; theories of drama as literary genre. Topics will vary. Fall, odd years. IAI EGL 916. 3 semester hours. Literature Core & Writing Inte. Typically offered Fall Term, Odd Years.

LITR 269 Introduction to Creative Writing. Writing workshop for students; introduction to various forms of modern fiction and poetry. Students will have the opportunity to create original poetry and fiction. Applicable as Fine Arts Core Elective. Fall, odd years. 3 semester hours. Fine Arts Core Elective. Typically offered Fall Term, Odd Years.

LITR 279 U. S. Multiethnic Literature. A comparative study of literature reflecting the diversity of American culture. In our exploration of just a sampling of the multiple voices of U. S. literature, we will consider these narratives within specific historical, cultural, rhetorical, and literary contexts. Counts as diversity elective for majors. Fall, even years. IAI H3 910D; EGL 918. 3 semester hours. Literature Core Elective. Typically offered Fall Term, Even Years.

LITR 280 African-American Literature. Historical and critical exploration of African-American writers' contributions to American fiction, poetry, drama, and non-fiction, from the oral tradition to the present. May include an Afrocentric approach. Counts as diversity elective for majors. Spring, even years. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Even Years.

LITR 281 Gender and Literature. Introduction to gender studies as a mode of literary analysis, and to the role of literary texts in shaping gender constructions. Counts as diversity elective for majors. Fall, even years. IAI H3 911D. 3 semester hours. Literature Core Elective. Typically offered Fall Term, Even Years.

LITR 291 Topics in Literature. Intermediate-level study of authors, themes, movements, and genres; attention to historical context. Sample topics: American Renaissance, Nineteenth-Century British Women Writers, Gothic, Science Fiction, Lyric. Periodically. 3 semester hours. Literature Core Elective. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

LITR 301 Advanced U.S. Literary and Cultural Studies. Explores critical questions, analytical categories, and common methodologies that structure the practice of U.S. literary and cultural studies. Students will work with primary literary texts as well as secondary sources and theoretical works. Students will also complete a research paper. Prerequisite: LITR 100. Offered fall, even years. 3 semester hours. Typically offered Fall Term, Even Years.

LITR 305 Critical Theory. Survey and application of contemporary theories of literature and language. Covers the intersection of modern literary theory with philosophy, linguistics, psychology, anthropology, and other humanistic fields. Fall, odd years. Prerequisite: LITR 100. 3 semester hours. Typically offered Fall Term, Odd Years.



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LITR 307 Modern English Language. Study of traditional, structuralist, and transformational theories of grammar and language, with attention to practical applications for language instruction. Includes introduction to contemporary linguistic theory. Fall, even years. Prerequisite: LITR 100. 3 semester hours. Typically offered Fall Term, Even Years.

LITR 315 American Literary Realism and Naturalism. This course provides advanced study of U.S. realist and naturalist literature of the nineteenth and twentieth centuries. Counts as Post-1800. Pre-requisite: LITR 100. Offered Spring, even years only. 3 semester hours. Typically offered Spring Term, Even Years.

LITR 322 Reading, Writing and Thinking in the Middle and Secondary School Curriculum. Examines the relationship between reading, writing, oral communication and thinking and explores strategies for integrating these areas across the curriculum. Examines a variety of theoretical perspectives and instructional strategies involving simulation, role-playing, case studies, inquiry, problem-solving, critical thinking and environmental learning. Lesson and unit plan development emphasized. Spring. Pre-requisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. Typically offered Spring Term.

LITR 352 Young Adult and Multicultural Literature in the Middle and Secondary School Curriculum. Evaluation, selection and teaching of literature to serve the interests and reading needs of students from the middle-school through high school. The course includes literature which reflects the culture and heritage of America's multiethnic/multicultural population. The course emphasizes theory and research in reading comprehension, literary criticism, including reader response and curriculum and instruction. In addition, the course includes critical analysis, methods of teaching literature and the uses of literature in the curriculum. Periodically. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. Typically offered Periodically.

LITR 357 The Nineteenth Century. Advanced study of nineteenth-century fiction, poetry, and/or drama. Topics may include Victorian literature, the nineteenth-century novel, and Romanticism. Counts as post-1800. Spring, odd years. Prerequisite: LITR 100. 3 semester hours. Typically offered Spring Term, Odd Years.

LITR 362 Modern Literature. Examines the evolution of poetic and narrative forms since the late nineteenth century. Emphasis on major British and/or American poets and novelists; may also include translated works from other cultures. Counts as post-1800. Spring, even years. Prerequisite: LITR 100. 3 semester hours. Typically offered Spring Term, Even Years.

LITR 364 Global/Postcolonial Literature and Theory. A comparative study of literature and theory concerning colonial, postcolonial, third world, and diasporic cultures and communities. The course may include such topics as education and the colonial/postcolonial condition; intellectual culture and imperialism; the politics of tourism; identity and diaspora; travel, migration, and globalization; and trauma, genocide, and historical fiction. Counts as diversity elective for majors. Pre-requisite: LITR 100. Offered spring, odd years. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Odd Years.

LITR 369 Creative Writing: Fiction. Advanced writing workshop with focus on writing and revision of fiction: includes group discussions and individual conferences. Students will produce a professional portfolio of fiction. Fall, even years. Prerequisite: LITR 269. 3 semester hours. Typically offered Fall Term, Even Years.

LITR 370 Creative Writing: Poetry. Advanced writing workshop with focus on writing and revision of poetry: includes group discussions and individual conferences. Students will produce a professional portfolio of poetry. Spring, even years. Prerequisite: LITR 269. 3 semester hours. Typically offered Spring Term, Even Years.



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LITR 381 Theories of Gender in Literary Analysis. Advanced readings in literature and in selected gender-based modes of textual analysis, as well as theories of the relationship between gender and language. Counts as diversity elective for majors. Spring, odd years. Prerequisite: LITR 100. 3 semester hours. Typically offered Spring Term, Odd Years.

LITR 385 Major Authors and Genres. New course fall 2011 3 semester hours.

LITR 391 Advanced Topics in Literature. Advanced study of authors, themes, movements, and genres; attention to historical context. Sample topics: Literature and the Environment, Women Writers of Color, Satire, focused study of major author. Periodically. Prerequisite: LITR 100. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

LITR 395 Independent Study. Students with interest in independent study of topics not offered in the curriculum may propose a plan of study in conjunction with a faculty member. Approval based on academic appropriateness and availability of resources. Prerequisite: LITR 100 and junior or senior standing. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

LITR 399 Senior Seminar. Group workshop and individual instruction in literary research and critical writing, leading up to the completion of a major paper in a literary field of the student's choice. Fall. Prerequisite: Senior standing, LITR 100. 3 semester hours. Typically offered Fall Term.

Management & Organizational Behavior

MGT 110 Business Principles and Skills for Academic Success. Introductory course for adults pursuing an Associate's degree. Academic success topics include learning styles, group interaction, written and oral communication skills, research and critical thinking skills, and time management. This course also includes a survey of business structures and operations. Other topics include the role of consumers in business, social responsibility within business organizations, and specialized business fields. Pre-requisite: Admission into the Adult Associate of Arts Program. 3 semester hours.

MGT 120 "Going Green" in the Business World. How can workers on the job influence their employers to adopt green practices? What business tools can you use to take great ideas and make them into sustainable programs? This course shows what can work, depending on the type of business, using case examples. These tools include implementing the LEED program in new and existing buildings (i.e.: insulation, solar panels, lighting, recycling, composting, landscaping, etc.), transportation programs for employees (i.e.: car pooling, mass transit, bicycling, walk to work) and cap and trade markets for emission credits to reduce energy consumption. You will learn a variety of business frameworks and tools to influence business leader's decisions about environmental sustainability. As a result of this course, you will better understand how you can make a difference! Fall and Spring. 1 semester hour. Typically offered Fall and Spring Terms.

MGT 150 Business Statistics I. Basic course in statistical technique; includes measures of central tendency, variability, probability theory, sampling, estimation, and hypothesis testing. IAI M1 902; BUS 901. Fall semesters. Prerequisite: Math 105 or Math 110 3 semester hours. Typically offered Fall Term.

MGT 210 Management. An overview of the fundamentals of management and leadership and their impact on the modern corporation. The course is a combination of theory and practical application, offering the student an opportunity to learn about the nature of management, leadership, and cultural diversity issues. Fall and Spring semester. Prerequisite: sophomore standing 3 semester hours. Typically offered Fall and Spring Terms.



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MGT 217 Group Dynamics and Learning Strategies. This course provides an overview of organizational structure, group dynamics, and learning strategies. Prerequisite: Admission to the Adult Learning Team or Online Program. 3 semester hours.

MGT 220 Entrepreneurship (Capstone). Application of business principles to planning, organizing and operating the entrepreneurial enterprise. 3 semester hours.

MGT 234 Organizational Planning & Analysis. Provides a basic understanding of key concepts and an ability to use basic analytical tools related to financial, economic and marketing planning. Topics include revenues, costs, supply and demand, pricing and the development of products and services to meet market needs. 3 semester hours.

MGT 235 Business Law I. Introduction to the role of the legal system in our society with an emphasis on the law of contracts, sales, and agency. 3 semester hours.

MGT 236 Business Law II. Introduction to the role of the legal system in our society with an emphasis on the law of commercial paper, partnership, and corporations. 3 semester hours.

MGT 237 Business Communications. Theory and practice of communication within and between business organizations of all types. Focus on the training for and development of entry-level skills in communication and its related technology. 1-3 semester hours. Writing Intensive Course. *Consent Required.*

MGT 247 Ethical Leadership. This course is an overview of management at the strategic and tactical levels. It reviews various models of leadership, ethics involved in that leadership, strategies, and skills.. Prerequisite: Admission to the Adult Learning Team or Online Program. 3 semester hours. Writing Intensive Course.

MGT 251 Business Statistics II. Covers: Regression and correlation, analysis of variance, and nonparametric statistics. Spring semester. Prerequisite: MGT 150 3 semester hours. Typically offered Spring Term.

MGT 252 Business Ethics in the Context of Catholic Social Teaching. This course is designed to give the student knowledge of the range of ethical theories that currently govern behavior in business, why ethics are necessary to business and how ethics influence corporate success. Cross listed with THEO 252. Offered Fall and Spring. 3 semester hours. Religious Studies Core Elect. Typically offered Fall and Spring Terms.

MGT 255 Readings in Organizational Research. Introduces methods of systematic investigation which are needed to provide continued development of the body of knowledge upon which the disciplines of management and organizational behavior are based. Focus is on an understanding of the research process in organizations, its value and its limitations. 3 semester hours.

MGT 260 Fundamentals of Human Resource Management. This course will focus on: developing, contributing to, and supporting the organization's mission, vision, values, strategic goals, and objectives; formulating policies; guiding and leading the change process; and evaluating HR's contributions to organizational effectiveness. Offered yearly, rotating terms. 3 semester hours.



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MGT 262 Employee Recruitment Strategies. This course will focus on developing, implementing and evaluating sourcing, recruitment, hiring, orientation, succession planning, retention, and organizational exit programs necessary to ensure the workforce's ability to achieve the organization's goals and objectives. Offered each term, yearly. 3 semester hours.

MGT 264 Employee Performance and Appraisal Management. This course will focus on developing, implementing and evaluating activities and programs that address employee training and development, performance appraisal, talent and performance management, and the unique needs of employees to ensure that the knowledge, skills, abilities, and performance of the workforce meet current and future organizational and individual needs. Offered: each term, yearly. 3 semester hours.

MGT 266 Essentials of Compensation and Benefits. This course will focus on developing, selecting, implementing, administering, and evaluating compensation and benefits programs for all employee groups that support the organization's strategic goals, objectives, and values. Offered: each term, yearly. 3 semester hours.

MGT 268 Managing Workplace Relationships. This course will focus on analyzing, developing, implementing, administering and evaluating a broad range of workplace relationships. Functional areas include techniques for facilitating positive employee relations, positive employee relations strategies, and non-monetary rewards, motivation concepts and applications, and employee involvement strategies. (Fore example: employee management committees, self-directed work teams, and staff meetings). Offered: each term, yearly. 3 semester hours. Typically offered Fall, Spring, and Summer Terms.

MGT 270 Employment Law and Risk Management. This course will focus on developing, implementing, administering, and evaluating programs, plans, and policies which provide a safe and secure working environment and to protect the organization from liability. Additional focus will be placed on the workplace relationship between employer and employee in order to maintain relationships and working conditions that balance employer and employee needs and rights in support of the organization's strategic goals, objectives, and values. Offered: each term, yearly. 3 semester hours. Typically offered Fall, Winter, Spring, & Summer.

MGT 275 Accounting and Financial Analysis. This course surveys a broad range of financial and managerial accounting techniques used by managers as applied to business and organizational planning, reporting, and control. The financial accounting topics dealt with, from the perspective of the financial statement user, include the basic processes of the accounting information system, transaction analysis, the form and content of financial statements, and financial analysis tools. In the managerial accounting topics we explore the tools of management decision making, including variable costing, cost-volume-profit analysis, performance reporting, and capital budgeting. The emphasis is on understanding rather than on mathematical rigor. The focus is on the analysis and solution of problems that managers normally deal with. Prerequisite: ACCT 112 and Admission to the Adult Learning Team or Online Program. 3 semester hours.

MGT 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.*

MGT 300 Management. Fundamental principles and practices of the corporate enterprise are utilized to consider planning, organizing, implementing and controlling in management. Fall and Spring semesters. Prerequisite: Sophomore standing 3 semester hours. Business Core & Writing Intens. Typically offered Fall and Spring Terms.



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MGT 301 Entrepreneurship. Application of business principles to planning, organizing and operating the entrepreneurial enterprise. 3 semester hours.

MGT 302 International Management. Study of the dynamics involved in international business management. Explores key issues such as political, legal and labor environments, strategic planning and organizational design. Emphasis is placed on the role of managers and others in successful international operations. (Spring) 3 semester hours.

MGT 303 Management Labor Relations. The course focuses on the evolution of employer-employee relations in union and non-union organizations. The emphasis is on union, governmental and workplace policies and practices, history, functions, forecasted changes relating to labor and management in both public and private sector. 3 semester hours.

MGT 305 Introduction to Sports Culture in America. This course introduces students to the business side of sports in America. It provides an overview for the opportunities in the sports and leisure industry. The course emphasizes critical thinking skills. Topics covered include ethics, social concerns and the economic impact of sports and leisure upon America. 3 semester hours.

MGT 320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. Each semester. 3 semester hours.

MGT 323 Group Processes. Provides the basic theory necessary to understand the components of the group process. The course gives the opportunity to participate in functioning groups for decision making and to practice newly developed skills in class groups. 3 semester hours.

MGT 330 Human Resource Management. Relationship of internal and external labor market concepts to organizational manpower planning. 3 semester hours.

MGT 331 Labor and Industrial Relations. Analysis of the structure and behavior of labor and business enterprises and implications of this behavior for resource allocation and individual welfare. Prerequisite: ECON 101, ECON 202. 3 semester hours. Writing Intensive Course.

MGT 333 Operations Management. A study of theory, principles and computational procedures as applied to such areas as strategic planning, forecasting, capacity planning, productivity and quality control. 3 semester hours.

MGT 334 Training and Development. This course covers corporate training and development including assessment, training design, training evaluation, management and executive training. Pre-requisite: MGT 330. Offered fall term. 3 semester hours. Typically offered Fall Term.

MGT 335 Compensation and Performance Management. A study of the historical development of compensation theory and its applications to the design and implementation of benefit/reward structures in modern organizations. Pre-requisite: MGT 330. Offered Spring. 3 semester hours. Typically offered Spring Term.

MGT 347 Project Management. The art and science of project management as applied to a variety of business and technology settings. Discusses how to initiate, plan, execute and control, and close projects, within budget and on schedule. Includes management of project scope, time, cost, quality, human resources, communications, and risks. A project planning software tool is utilized, usually MS Project. Spring. Prerequisite: Junior or Senior Standing. 3 semester hours. Typically offered Spring Term.



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MGT 370 Industrial Organization & Policy. Focuses on empirical studies in patterns of market structure, business behavior, and performance. Applications in the fields of antitrust and regulation are stressed. Prerequisite: ECON 202. 3 semester hours.

MGT 380 Strategic Management. Management capstone course enabling business students to use the disciplines and techniques learned throughout their program of study. Case studies stress the importance of basing management decisions on a strategic view of organizations. Fall and Spring semesters. Prerequisite: senior standing, FINA 300, MGT 300 MKTG 300 3 semester hours. Typically offered Fall and Spring Terms.

MGT 387 Management Capstone. This is the management capstone course enabling students to integrate and use the disciplines and techniques learned throughout the program of study. Case studies are utilized to stress the importance of basing management decisions on a strategic view of organizations. The focus is on the role of management in the development of organizational strategy, on the practice of the decision-making process and in the development of an appropriate organizational structure. Prerequisite: Admission to the Adult BA in Management Program. 3 semester hours.

MGT 389 Senior Seminar. Capstone course for organizational leadership major. Focus on an analysis of the leadership role in complex organizations. Case-based approach will integrate previous knowledge and emphasize use of critical thinking. 3 semester hours.

MGT 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*

MGT 395 Independent Study. Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

MGT 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.*

Marketing

MKTG 230 Fundamentals of Selling. This course provides a comprehensive approach to the fundamentals of selling, focusing on effective strategies throughout the sales cycle, including: identifying customer needs; developing relationships; product presentations and qualifying sales; and closing and servicing a sale. Students apply these concepts through preparation of sales proposals and presentations that sell. 3 semester hours.

MKTG 232 Managing Sales Relationships for Productivity. The course is an introduction to aspects of professional sales relations that affect sales productivity. Participants are introduced to various patterns for analyzing the dynamics of the professional selling process and customer service which determine the dynamics of sales relationships. 3 semester hours.

MKTG 234 Psychology of Sales. This course provides a practical approach to the key component of the sales effort - "the close." Emphasis is given to consumer objectives, demonstration strategies, and closing techniques. 3 semester hours.



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MKTG 236 Negotiating Skills in Business. This course focuses on the process and practice of effective negotiations in the sales and marketing environment. The impact of negotiating on management and other business practices is also addressed. 3 semester hours.

MKTG 238 Sales Management. This course is designed to prepare prospective sales managers for the challenges they face in corporate sales settings. It deals with the critical impact management has on sales, as well as the effective team-building strategies and leadership skills needed for success in these key positions. 3 semester hours.

MKTG 240 Business Ethics in Sales. This course deals with the ethical implications of management decision-making in society. It places emphasis on the ethical impact of contemporary social, political and economic issues. 3 semester hours.

MKTG 291 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester hours.

MKTG 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 12.*

MKTG 300 Marketing. An investigation of the basic principles of marketing, with an emphasis on the practical application of those principles to formulate marketing plans that will deliver value to customers and meet the goals of the organization. Fall and Spring semesters. Pre-requisite: Sophomore standing 3 semester hours. Typically offered Fall and Spring Terms.

MKTG 305 Sports Marketing. A case study approach will be used to explore and analyze situations that pertain to sports marketing. Spring. Pre-Requisite: Mktg 300 3 semester hours. Typically offered Spring Term.

MKTG 310 Consumer Behavior. A study of consumers' needs, wants, and behavior in the marketplace as a basis for the formulation of marketing strategy. Spring semester. Prerequisite: Sophomore standing. 3 semester hours. Business Core Elective. Typically offered Spring Term.

MKTG 330 Promotional Strategy. An integrated marketing communications (IMC) approach to the study of the strategies organizations use to promote their products and services. The course goes beyond the traditional study of advertising, sales promotion, personal selling, direct marketing, and public relations to show how all four elements of the marketing mix--product, price, promotion, and distribution--must blend together to present a unified message to customers. Fall semester. Prerequisite: MKTG 300 3 semester hours. Typically offered Fall Term.

MKTG 331 Internet Marketing Communications. Internet marketing is reshaping the way businesses and consumers interact with each other. This course studies how the Internet as a communication channel can be valuable to marketing decision makers eager to understand and utilize Internet technology to grow their businesses. Examining the Internet and its evolution from a research tool to a marketing communications medium, this course shows how the Internet offers an array of one-to-one, real-time, personalized marketing communications. Through various exercises and projects, students will explore how the Internet affords decision makers the opportunity to customize their marketing approaches to meet individual customers' needs and to make the Internet an effective part of an overall Integrated Marketing Communications Strategy. Pre-requisite: MKTG 300 3 semester hours.



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MKTG 332 Web 2.0 Tools in Business. Consumers have embraced Web 2.0 technologies including, for example, social networking applications—Facebook, LinkedIn, Twitter; YouTube; wikis; blogs; tags; mashups; and virtual worlds. How are organizations using these applications? How might organizations use these applications? Specific topics will include an overview of Web 2.0 technologies, how these tools may be leveraged in an organization, how to align these tools with business goals, how to foster collaboration, and how to ensure security. 1 semester hour. Typically offered Spring Term.

MKTG 333 Personal Selling and Sales Management. This course examines the role personal selling plays in an organization's overall integrated marketing communications program. Students will explore how personal selling works with other elements of the promotional mix (advertising, publicity, sales promotion) to create a uniformed, integrated marketing message. In addition to gaining knowledge of traditional personal selling practices and techniques, students will learn how the Internet is increasingly factoring into an organization's personal selling strategy. Pre-requisite: MKTG 300 3 semester hours.

MKTG 350 International Marketing. Studies strategic issues in marketing products and services across national borders. Examines cultural, legal, ethical, and economic constraints. Prerequisite: INTB 300 or MKTG 300. 3 semester hours.

MKTG 351 Global Development Issues. A study of the meaning, measurement and historical context of economic development and the issues underlying the vast differences in development between nations of the world. Topics covered include population, agriculture, industry, trade and foreign debt. (Periodically) 3 semester hours. Typically offered Periodically.

MKTG 360 Marketing Research. This course presents the principles of marketing research primarily from the perspective of the users of that research, with a focus on the practical and applied aspects of the subject. Emphasis will be placed on how marketing researchers apply the various concepts and techniques, as well as how business decision makers implement the findings to improve marketing practices. Topics covered will include research design, sampling techniques, questionnaire design, measurement and scaling, data collection and analysis, and report preparation. Fall semester. Prerequisite: MKTG 300, MGT 150, Junior standing 3 semester hours. Typically offered Fall Term.

MKTG 380 Marketing Strategy. A comprehensive study of major topics in strategic marketing, the components of a marketing plan, and financial analysis for marketing management. Case studies are used as the approach for utilizing marketing concepts and practices to analyze marketing problems in a wide variety of industry settings and to develop marketing strategies based on those analyses. Spring semester. Prerequisite: MKTG 300, Senior standing 3 semester hours. Typically offered Spring Term.

MKTG 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*

MKTG 395 Independent Study. Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

MKTG 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.*

Mathematics



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MATH 95 Intermediate Algebra. Topics include real numbers, linear equations, exponent, polynomials, rational expressions, radicals, and quadratic equations. Each semester. Prerequisite: Placement exam. 3 semester hours. Typically offered Fall and Spring Terms.

MATH 104 Advanced Business Mathematics. This course is designed to provide the student with a good understanding of proper problem-solving techniques; simplifying algebraic expressions; solving first-degree equations; the properties of lines, graphs and functions; modeling and analysis of functions; and solving finance problems. The TI-83 Plus graphing calculator is used throughout the course. Prerequisite: Admission to the Adult Learning Team or Online Program. 3 semester hours.

MATH 105 Finite Mathematics. A survey of algebra, functions, graphs, and linear equations as applied to problems in economics and business. Topics include mathematics of finance, linear, polynomial, exponential, and logarithmic functions. Credit will not be granted for both MATH 105 or MATH 110. Each semester. Prerequisite: Placement exam or a “C” or better in MATH 095. 3 semester hours. Typically offered Fall, Spring, and Summer Terms.

MATH 108 Quantitative Reasoning. Develops conceptual understanding and computational skills in unit analysis, uses of percentages, and dealing with quantities and their magnitudes. Includes formulas of finance for simple interest, compound interest and loan payments; functions and their graphs; linear equations; exponential growth and decay; principles of counting; fundamentals of probability; and estimation and approximation techniques to judge the reasonableness of answers. Also includes representing and analyzing data using statistical tools such as histograms; measures of central tendency; variance and standard deviation; linear regression and scatter plots; normal distributions; and margin of error and confidence intervals. Each Semester. IAI M1 904. Prerequisite: Placement exam or a “C” or better in MATH 095. 3 semester hours. Typically offered Fall and Spring Terms.

MATH 110 College Algebra. Topics include equations, inequalities, functions, graphs, polynomial and rational functions, exponential & logarithmic functions, equations, and systems of equations and inequalities. Credit will not be granted for both MATH 105 and MATH 110. Each semester. Prerequisite: Placement exam or a “C” or better in MATH 095. 3 semester hours. Typically offered Fall, Spring, and Summer Terms.

MATH 111 College Trigonometry. General study of the trigonometric functions and their graphs, trig identities, and equations, inverse trig functions, applications of trigonometry, vectors, polar coordinates, and parametric equations. Each semester. IAI MTM 901. Prerequisite: Placement exam or a “C” or better in MATH 105 or MATH 110. 3 semester hours. 3 semester hours. Typically offered Fall and Spring Terms.

MATH 112 Mathematics for Elementary Teachers I. This course explores the mathematical content of elementary school mathematics from the perspective of future elementary school teachers. Topics include mathematical thinking, problem solving, sets, representations of functions, numeration, standard and non-standard arithmetic algorithms, mental arithmetic and estimation, number theory, integers, fractions and rational numbers, decimals, and real numbers. Graphing calculators and manipulatives are used throughout the course. This course is required for elementary education majors. Fall and Spring. Prerequisite: “C” or better in MATH 095 or placement exam.. Natural Sciences core elective. 4 semester hours. Math Comp Sci Core Elect. Typically offered Fall Term.

MATH 115 Business Calculus. A survey of mathematical techniques used in the managerial, social and life sciences. Topics include systems of linear equations and matrices, linear programming, differential calculus, and applications of the derivative. Each semester. Prerequisite: “C” or better in MATH 110 or MATH 105, or placement exam. 3 semester hours. Math Comp Sci Core Elect. Typically offered Fall, Spring, and Summer Terms.



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MATH 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: "C" or better in MATH 105 or MATH 110. 3 semester hours. Typically offered Fall and Spring Terms.

MATH 170 Introduction to Calculus I. An introduction to limits and differentiation. Topics in algebra, functions, and trigonometry will be reviewed as necessary for calculus. Further study includes the chain rule, Newton's approximations, plane analytic geometry, and applications of velocity and marginal cost. The computer algebra system Maple will be employed. Fall. Prerequisite: Placement exam or "C" or better in MATH 111, co-requisite: MATH 171 4 semester hours. Math Comp Sci Core Elect. Typically offered Fall Term.

MATH 171 Introduction to Calculus I Lab. Selected computer explorations to illustrate and/or investigate the mathematical concepts in MATH 170. Fall. Prerequisite: Placement exam or a "C" or better in MATH 111. Co-registration in MATH 170. 1 semester hour. Math Comp Sci Core Elect. Typically offered Fall Term.

MATH 190 Mathematics Topics. 1-3 semester hours.

MATH 200 Applications of Calculus I. A continuation of MATH-170. Topics include curve sketching, plane analytic geometry, maxima and minima, related rates, and other applications of the derivative. Study concludes with definite and indefinite integrals, numeric integration, elementary differential equations, parametric functions, and the Fundamental Theorems of Integral Calculus. The computer algebra system Maple will be employed. Credit will not be granted for both MATH-200 and MATH-210. Spring. Prerequisite: "C" or better in MATH-C170. 4 semester hours. Typically offered Spring Term.

MATH 207 Calculus with Analytics I Lab. Selected computer explorations to illustrate and/or investigate the mathematical concepts in MATH 210. Each semester. Corequisite: Coregistration in MATH 210 or MATH 220. 1 semester hour. Math Comp Sci Core Elect. Typically offered Fall and Spring Terms.

MATH 208 Biocalculus II Lab. Selected computer explorations to illustrate and/or investigate the mathematical concepts and biological models in Math 221. Spring. Co-requisite: Co-registration in MATH 221, Biocalculus II. 1 semester hour. Math Comp Sci Core Elect. Typically offered Spring Term.

MATH 210 Calculus with Analytics I. Topics include differentiation, and antidifferentiation of algebraic, trigonometric and transcendental function, the fundamental theorem of calculus, applied problems on maxima and minima, plane analytic geometry, and simple differential equations. The computer algebra system Maple will be used to illustrate calculus concepts. Credit will not be granted for both MATH 200 and MATH 210. Each semester. IAI M1 900-1; EGR 901; MTH 901. Prerequisite: Placement exam, or "B" or better in MATH 111. Corequisite: MATH 207. 4 semester hours. Math Comp Sci Core Elect. Typically offered Fall, Spring, and Summer Terms.

MATH 211 Calculus with Analytics II. Topics include applications of the definite integral, methods of integration, sequences and series and numeric integration. The computer algebra system Maple will be used to illustrate calculus concepts. IAI M1 900-2; EGR 902; MTH 902. Each semester. Prerequisite: "C" or better in MATH 200, MATH 205, MATH 210 or MATH 220. 4 semester hours. Math Comp Sci Core Elect. Typically offered Fall, Spring, and Summer Terms.



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MATH 212 Calculus with Analytics III. Topics include solid analytic geometry and vectors, partial differentiation, multiple integrals and vector calculus. The computer algebra system Maple will be used to illustrate calculus concepts. Each semester. IAI M1 900-3; EGR 903; MTH 903. Prerequisite: "C" or better in MATH 206, MATH 211 or MATH 221. 4 semester hours. Math Comp Sci Core Elect. Typically offered Fall and Spring Terms.

MATH 220 Biocalculus I. This is the first course in a two-semester sequence in calculus with biological applications. There is a strong emphasis on biological models using real biological data. Topics include semi-log and log-log plots, sequences, basic difference equations, discrete time models, limits, continuity, differentiation and antidifferentiation of algebraic, trigonometric, and transcendental functions, applied problems on maxima and minima, equilibria and stability, basic differential equations, and the fundamental theorem of calculus. The course uses the computer algebra system Derive, Excel, and modeling software to explore calculus concepts and biological models. Fall. Prerequisite: Placement exam or "B" or better in MATH 111 and co-registration in MATH 207. 4 semester hours. Math Comp Sci Core Elect. Typically offered Fall Term.

MATH 221 Biocalculus II. This is the second course in a two-semester sequence in calculus with biological applications. There is a strong emphasis on biological models and examples using real biological data. Topics include applications of the definite integral, methods of integration, differential equations, systems of linear equations, matrices, eigenvalues and eigenvectors, analytic geometry, functions of several variables, partial derivatives, differentiability, tangent planes and linearization, systems of difference equations, systems of linear and nonlinear differential equations, equilibria and stability, and an introduction to probability. Applications may include allometric growth, age-structured population matrix models, epidemic models, competition models, host-parasitoid models, and models for neuron activity. The course uses various computer software packages to explore calculus concepts and biological models. Spring. Prerequisite: MATH 200, MATH 205, MATH 210, or MATH 220 or Placement exam. Co-requisite: Co-registration in MATH 208, Biocalculus II LAB. 3 semester hours. Typically offered Spring Term.

MATH 222 Mathematics for Elementary Teachers II. This course is a continuation of MATH 112. This course explores additional mathematical content of elementary school mathematics from the perspective of future elementary school teachers. Topics include proportional reasoning, percents, basic concepts of geometry, two- and three-dimensional geometric figures, transformational geometry, coordinate geometry, symmetry, tessellations, similarity, and direct and indirect measurement. Graphing calculators, manipulatives, and dynamic geometry software are used throughout the course. This course is required for elementary education majors. Spring. MATH 112 and MATH 222 together satisfy IAI M1 903. Prerequisite: "C" or better in MATH 112. 4 semester hours. Math Comp Sci Core Elect. Typically offered Spring Term.

MATH 240 Discrete Mathematics. Basic concepts of finite and discrete algebraic structures, with emphasis on applications in computer science. Sets, relations, and functions, boolean algebra, computer arithmetic, combinatorics, matrix algebra, directed and undirected graphs, and methods of proof. Each semester. IAI M1 905; CS 915. Prerequisite: "C" or better in MATH 115 or placement or credit in MATH 200, MATH 210 or MATH 220. 4 semester hours. Typically offered Fall and Spring Terms.

MATH 260 Differential Equations. Includes an introduction to 1st and 2nd order ordinary differential equations with an emphasis on linear equations and techniques to solve them, applied problems in various fields, the Laplace transform, a brief introduction to chaos theory, systems of 1st order linear equations and power series solutions 2nd order linear ODEs. Spring. IAI EGR 904; MTH 912. Prerequisite: Credit or co-registration in MATH 212. 4 semester hours. Writing Intensive Course. Typically offered Spring Term.



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MATH 280 Introduction to Proofs. An introduction to methods of formal mathematical proof, with emphasis on improving the student's ability to both read and write such proofs. Topics include logic, set theory, relations, functions, induction and cardinality. Course serves as a transition from beginning mathematics courses to the higher level courses. Periodically. Prerequisite: "C" or better in MATH 211. 3 semester hours. Typically offered Periodically.

MATH 300 Linear Algebra. Topics include matrix algebra, theory of determinants, introduction to vector spaces, linear independence and span, and properties of linear transformations on finite dimensional vector spaces. Spring. IAI MTH 911. Pre-requisite: "C" or better in MATH 212 or MATH 240. 3 semester hours. Typically offered Spring Term.

MATH 310 Modern Geometry. Euclidean and non-Euclidean geometries, geodesics, triangle congruence theorems, area and holonomy, parallelism, symmetry, and isometries. Spring, even years. Prerequisite: "C" or better in MATH 211. 3 semester hours. Writing Intensive Course. Typically offered Spring Term, Even Years.

MATH 312 Mathematics for Middle and Secondary Teachers.. Topics include analyses of alternate definitions, languages, and approaches to mathematical ideas; extensions and generalizations of familiar theorems; discussions of the history of mathematics and historical contexts in which concepts arose; applications of mathematics in various settings; analyses of common problems of high school mathematics from a deeper mathematical level; demonstrations of alternate ways of approaching problems, including ways with and without calculator and use of technology; connections between ideas that may have been studied separately in different courses; and relationships of ideas studied in school to ideas students may encounter in later study. Fall, odd years. Prerequisite: "C" or better in MATH 212 and MATH 240. 3 semester hours. Typically offered Fall Term, Odd Years.

MATH 331 Abstract Algebra I. Groups and elementary theory of groups: cyclic groups, permutation groups, homomorphism, isomorphism, cosets and Lagrange's theorem, factor groups, Homomorphism theorem, and an intro to other algebraic structures such as rings, domains and fields. Fall, odd years. Prerequisite: "C" or better in MATH 300. 3 semester hours. Typically offered Fall Term, Odd Years.

MATH 332 Abstract Algebra II. Rings: definition and properties, quotient rings and ideals, and homomorphisms of rings. Polynomial rings, integral domains, and fields. Sylow Theory and group actions, other algebraic structures including algebras, group rings, and vector spaces. Spring, even years. Prerequisite: "C" or better in MATH-331. 3 semester hours. Typically offered Spring Term, Even Years.

MATH 341 Real Analysis I. Topological properties of Euclidean spaces, limits of sequences and functions and continuity and differentiability for functions of one variable. Fall, even years. Prerequisite: "C" or better in MATH 212, and in MATH 240 or MATH 300. 3 semester hours. Typically offered Fall Term, Even Years.

MATH 342 Real Analysis II. Integrability, sequences of functions and infinite series. Spring, odd years. Prerequisite: "C" or better in MATH 341. 3 semester hours. Typically offered Spring Term, Odd Years.

MATH 350 Complex Variables. Complex numbers and their geometric representation, analytic functions, elementary functions, transformations, complex integration, Taylor and Laurent series, and the calculus of residues, conformal mapping, and applications to hyperbolic geometry. Fall, odd years. Prerequisite: "C" or better in MATH 212. 3 semester hours. Typically offered Fall Term, Odd Years.



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MATH 361 Fourier Analysis & Boundary Value Problems. Fourier series; Fourier Integral and Fourier Integral, Sturm-Liouville Theory; various techniques to solve partial differential equations; heat equation, wave equation and potential equation in Cartesian, polar, and cylindrical coordinates; and Bessel functions and their applications. Fall, even years. Prerequisite: "C" or better in MATH 260. 3 semester hours. Typically offered Fall Term, Even Years.

MATH 365 Vector Analysis. Vector algebra; vector integration and differentiation; the del operator; the gradient, divergence and curl; line and surface integrals; the main integral theorems of vector analysis - Stokes' Thm., Green's Thm. and Divergence Thm.; tensor notation; and curvilinear coordinates. Periodically. Prerequisite: "C" or better in MATH-212. 3 semester hours. Typically offered Periodically.

MATH 370 Theory of Interest. Topics include measurement of interest, various types of annuities, yield rates, amortization schedules, sinking funds, bonds and securities. Spring, odd years. Prerequisite: "C" or better in MATH 211. 3 semester hours. Typically offered Spring Term, Odd Years.

MATH 371 Probability and Statistics I. Discrete and continuous probability distributions, moments and mathematical expectation, moment generating functions, conditional probability and expectation, and multivariate distributions, and convolutions. Fall, even years. Prerequisite: Credit or co-registration in MATH 212. 3 semester hours. Typically offered Fall Term, Even Years.

MATH 373 Probability and Statistics II. Sampling distributions, estimation, decision theory, tests of hypotheses, least squares and regression, and correlation and analysis of variance. Spring, odd years. Prerequisite: "C" or better in MATH 371 and MATH 212. 3 semester hours. Writing Intensive Course. Typically offered Spring Term, Odd Years.

MATH 380 Numerical Analysis. Numerical methods for isolating roots, solving systems of linear equations, interpolation, and evaluating derivatives and definite integrals. Periodically. Prerequisite: "C" or better in MATH 211 and programming experience. 3 semester hours. Typically offered Periodically.

MATH 381 Numerical Analysis Practicum. A hands-on experience with issues in numerical analysis. Topics may include the application of parallel processing capabilities to numerical problems, extend accuracy computations, computational aspects of large physical problem modeling, or experimental relationships between accuracy and complexity in numerical computations. Periodically. Prerequisite: MATH 380 or co-registration in MATH 380. 1 semester hour. Typically offered Periodically.

MATH 385 Introduction to Modern Cryptology. Cryptology concerns communicating in the presence of an adversary, with goals like preservation of privacy and integrity of communicated data. Topics include rigorous mathematical description of various symmetric (i.e., private key) and asymmetric (i.e., public key) cryptographic methods including substitution ciphers, block ciphers, RSA, the discrete logarithm problem, and other applications, with emphasis on "provable security". Spring, even years. Pre-requisite "C" or better in MATH 212 or MATH 240. 3 semester hours. Typically offered Spring Term, Even Years.

MATH 390 Selected Topics. Lectures on miscellaneous topics with which the student has not become acquainted in formal course work. May be an extension of, or a supplement to, material previously encountered, or material from a completely new area. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required.*

MATH 395 Independent Study. Designed to encourage superior students to continue the study of mathematics beyond the scope of undergraduate course offerings, through guided independent study. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required.*



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MATH 397 Mathematical Research I. Original research in mathematics or mathematics education conducted under the supervision of a faculty member. Periodically. 1-3 semester hours. Typically offered Periodically. *Consent Required.*

MATH 398 Mathematical Research II. Continuation of MATH 397. Periodically. 1-3 semester hours. Typically offered Periodically. *Consent Required.*

MATH 399 Internship. Practical experience in mathematics or related career fields under the supervision of the Mathematics faculty. 3-6 semester hours. *Consent Required.*

Medical Humanities

MDHM 200 Introduction to Medical Humanities. Provides an introduction to the interdisciplinary fields of study that characterize the discipline, as well as to the Benedictine major program. Required for all Medical Humanities majors. 3 semester hours.

Military Science

MSCI 101 Foundations of Officership. This course is an introduction to fundamental components of service as an officer in the United States Army. These initial lessons form the building blocks of progressive lessons in values, fitness, leadership, and officership. This course also addresses "life skills" including fitness, communications theory and practice (written and oral), interpersonal relationships, and the ethics of Christian service. Emphasis on "hands-on" learning also includes blocks of instruction map reading, orienteering, marksmanship, and rappelling as well as weekly leadership laboratories, one weekend field trip, and physical training. Upon completion of this semester, the cadets should be prepared to receive more complex leadership instruction. 2 semester hours.

MSCI 102 Basic Leadership. Builds upon the fundamentals introduced in the previous semester by focusing on leadership theory and decision making. "Life skills" lessons in this semester include: problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Upon completion of this semester, cadets should be prepared to advance to more complex leadership instruction concerning the dynamics of organizations. Additionally, they will be increasingly required to demonstrate knowledge of leadership fundamentals and communications (written and oral). Again, "hands-on" learning also includes blocks of instruction on map reading, orienteering, marksmanship, and rappelling as well as weekly leadership laboratories, one weekend field trip, and physical training. 2 semester hours.

MSCI 123 Military Science Leadership Lab. Practical application of military skills taught in MSCI basic and advanced courses. Hands on training in basic soldiers skills, squad and platoon tactics, weapons, communications, and organizational leadership.

MSCI 201 Individual Leadership Studies. This course builds on the fundamentals introduced in the first year curriculum. Using practical exercise, cadets must increasingly apply communications and leadership skills to solve increasingly complex problems. The course concludes with a major leadership and problem solving case study which draws on virtually all of the classroom instruction received in the first three semesters of the Basic Course. The course also includes one weekend field trip, weekly leadership laboratories, and physical training. Upon completion of this semester, cadets should be well grounded in the fundamental principals of leadership, and be prepared to intensify the practical application of their studies during the Advanced Course. 2 semester hours. *Consent Required.*



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MSCI 202 Leadership and Teamwork. Basic Course capstone course focuses principally on officership, providing an extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed look at the origin of our institutional values and their practical application in decision making and leadership. Introduces fundamentals and principles of small unit tactics. Upon completion of this semester, cadets should possess a fundamental understanding of both leadership and officership, demonstrate the ability to apply this understanding in real world situations, and be excited about the aspect of shouldering the responsibility of a commissioned officer in the United States Army. Includes one weekend field trip, weekly leadership laboratories, and physical training. 2 semester hours. *Consent Required.*

MSCI 225 Leader's Training Course (LTC). An alternative to the Basic Course above, LTC offers a possibility for students who have not considered ROTC until late in their sophomore year an opportunity for a scholarship and entry into the Advanced Course. The sole purpose for attending LTC is to qualify for the Advanced Course. Students contract prior to attending, and, therefore, must be American citizens to attend. LTC is a 28-day summer training course conducted at Fort Knox, Kentucky, designed to teach the fundamentals of soldiering and leadership and to enhance personal confidence using practical, hands-on exercises including: land navigation, rifle marksmanship, first aid, individual and unit tactics, obstacle courses, and rappelling. Military pay approximately \$750. (optional 4 hours credit incurs special tuition charge.) 4 semester hours. *Consent Required.*

MSCI 301 Leadership and Problem Solving. Focus of instruction is on leadership competencies using small unit operations as the primary mode of instruction. Cadets assume leadership positions within the Rolling Thunder Battalion, and actually apply the theory they have learned in the basic Course by planning and executing small unit training. The semester begins with instruction in the Leadership Development Process (LDP) used throughout the academic year and at NALC to assess and develop leadership. Cadets will focus on troop leading procedures, motivational theory, small unit training, operations orders, and risk assessment. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.*

MSCI 302 Leadership and Ethics. A continuation of MSCI 331 emphasizing doctrinal leadership and tactical operations at the small unit level. It includes opportunities to plan and conduct individual and collective skill training for offensive operations to gain leadership and tactical experience. This critical semester synthesizes the various components of training, leadership and team building taught over the last three years, and prepares cadets for their summer experience at NALC. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.*

MSCI 303 Leadership and Management. Focusing on leadership, management, and ethics, MSCI 401 begins the final transition from cadet to lieutenant. The course focuses cadets, early in the year, on attaining apprentice level knowledge and proficiency in several critical areas they will need to operate effectively as Army officers including coordinating activities with staffs, counseling theory and practice within the "Army Context," training management, and ethics. Cadets will continue to sharpen these skills as they perform their roles as cadet officers in the Rolling Thunder Battalion and after commissioning. At the end of this semester cadets should possess the fundamental skills, attributes, and abilities to operate as competent leaders in the cadet battalion and confidently communicate to subordinate cadets their preparedness to shoulder the responsibilities entrusted to them. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.*



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MSCI 304 Officership. A continuation of MSCI 303, MSCI 304 completes the transition from cadet to lieutenant. As a follow-on to the Ethics instruction in MS 303, the course starts with a foundation in the legal aspects of decision making and leadership. The next modules reinforce previous instruction on the organization of the Army, introduce how we organize for operations from the tactical to strategic level, and introduce administrative and logistical management issues that focus on the fundamentals of soldier and unit level support. The final module that introduces new information focuses on the often confusing process of changing duty stations and reporting to a new unit. Upon completion of this semester the cadets will be prepared to shoulder the responsibility of being a commissioned officer in the United States Army. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.*

MSCI 335 National Advanced Leadership Camp (NALC). Approximately 3,500 cadets nationwide will attend NALC at Fort Lewis, Washington each year. An Advanced Course requirement, NALC provides an opportunity to live and work with other cadets from around the country for 35 days. NALC is a performance based environment in which cadets can exercise their leadership skills in a variety of field and garrison activities, and cadre can assess leadership potential. Military pay approximately \$1,100. Prerequisite: MSCI 302. (Optional four hours credit incurs special tuition charge.) 4 semester hours. *Consent Required.*

MSCI 343 American Military History. Taught at Wheaton College by the Professor of Military Science for a \$25 cross enrollment fee. Introduces cadets to American military history using principles of warfare, threads of continuity, battle analysis, and oral biographies. This course is required for commissioning. 2 semester hours. *Consent Required.*

MSCI 401 Leadership and Management. Focusing on leadership, management, and ethics, MSCI 401 begins the final transition from cadet to lieutenant. The course focuses cadets, early in the year, on attaining apprentice level knowledge and proficiency in several critical areas they will need to operate effectively as Army officers including coordinating activities with staffs, counseling theory and practice within the "Army Context," training management, and ethics. Cadets will continue to sharpen these skills as they perform their roles as cadet officers in the Rolling Thunder Battalion and after commissioning. At the end of this semester cadets should possess the fundamental skills, attributes, and abilities to operate as competent leaders in the cadet battalion and confidently communicate to subordinate cadets their preparedness to shoulder the responsibilities entrusted to them. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.*

MSCI 402 Officership. A continuation of MSCI 303, MSCI 304 completes the transition from cadet to lieutenant. As a follow-on to the Ethics instruction in MS 303, the course starts with a foundation in the legal aspects of decision making and leadership. The next modules reinforce previous instruction on the organization of the Army, introduce how we organize for operations from the tactical to strategic level, and introduce administrative and logistical management issues that focus on the fundamentals of soldier and unit level support. The final module that introduces new information focuses on the often confusing process of changing duty stations and reporting to a new unit. Upon completion of this semester the cadets will be prepared to shoulder the responsibility of being a commissioned officer in the United States Army. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.*

MSCI 403 American Military History. Taught at Wheaton College by the Professor of Military Science for a \$25 cross enrollment fee. Introduces cadets to American military history using principles of warfare, threads of continuity, battle analysis, and oral biographies. This course is required for commissioning. 2 semester hours. *Consent Required.*

MSCI 495 Independent Study. A self paced study at the advanced level focusing on Military Science. 1-4 semester hours. *Course Repeatable. Maximum number of units allowed 4.*



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MUSI 100 Introduction to Music Theory, Composition and Performance. A survey course intended to develop the understanding of musical elements and form with the goal of preparing the student for the study of applied music. Basic skills in theory, composition, and performance will be taught. Awareness and understanding of how music as a subject relates to other arts and sciences will also be developed. 3 semester hours. Fine Arts/Music Core Elective 3 semester hours. Music Core Elective.

MUSI 101 Music Theory I. Reviews fundamentals of music theory. Examines basic theoretical elements in music including major and minor scales, chord progressions, and form as they apply to musical specific examples. Co-registration MUSI 112 and MUSI 194 required for music majors. Co-registration MUSI 112 required for music minors. Fall. 3 semester hours. 3 semester hours. Music Core Elective. Typically offered Fall Term. *Consent Required.*

MUSI 102 Music Theory II. Works with basic theoretical elements applying them to harmonization and simple modulations. Introduces simple forms including binary and ternary. Co-registration with MUSI 113 and MUSI 195 are required. Spring. 3 semester hours. Typically offered Spring Term.

MUSI 104 Music Appreciation. This course explores the history of Western Classical Music by focusing on each of its eras. It also offers access to various ways to listen to music and how to take full advantage of concert attendance. Provides detailed explanations and sound demonstrations of the basic musical elements and performing media. Periodically. IAI F1 900. 3 semester hours. Music Core Elective. Typically offered Periodically.

MUSI 105 Music Appreciation: Medieval to Baroque. Eight week modular course - Student cannot receive credit for MUSI 105 or 106 if MUSI 104 has been completed. Fine Arts/Music Core Elective 2 semester hours. Music Core Elective.

MUSI 106 Music Appreciation: Classical to Contemporary. Eight week modular course - Student cannot receive credit for MUSI 105 or 106 if MUSI 104 has been completed. Fine Arts/Music Core Elective 2 semester hours. Music Core Elective.

MUSI 112 Aural Skills I. Begin training of musical skills relating to pitch and rhythmic recall and recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on course sequence or proficiency testing. Fall. Co-registration with MUSI 101 and MUSI 194. 1 semester hour. Music Core Elective. Typically offered Fall Term.

MUSI 113 Aural Skills II. Second course in training of musical skills relating to pitch and rhythmic recall and recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on course sequence or proficiency testing.

Prerequisite: MUSI 101/112 or proficiency. Co-registration with MUSI 102 required. 1 semester hour.

MUSI 121 Concert Band. A performing ensemble dedicated to the study and performance of the wind band repertoire. Standard and new compositions will be performed in concerts each semester. May be repeated. IAI MUS 908. Prerequisite: By permission of instructor. Music Core Elective. Typically offered Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 14.*

MUSI 122 Concert Choir. A performing ensemble utilizing practical work and study of choral literature of all periods of music in concerts each semester. May be repeated. IAI MUS 908.

Prerequisite: By permission of instructor. Music Core Elective. Typically offered Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 14.*



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MUSI 125 Chamber Music Ensemble. Chamber Music Ensemble: Performing ensemble dedicated to the mastery of performance technique through intimate ensemble experiences. Heightened teamwork, communication, and music reading skills are stressed. A closer association with the audience is developed providing the music student, vocal or instrumental the ability to have and increased understanding of the impact their music making has on the community. Co-registration in 200 or 300 level applied music. 1 semester hour. Music Core Elective. *Course Repeatable. Maximum number of units allowed 14.*

MUSI 126 Percussion Ensemble. A performing ensemble consisting of mixed percussion instruments. Performances each semester. May be repeated. IAI MUS 908. Prerequisite: Consent of instructor. Typically offered Fall and Spring Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 1.*

MUSI 128 Jazz Eagles. A small mixed ensemble, that performs standards of the jazz repertoire, improvisation, and ensemble skills. Prerequisite: Audition required. Concurrent registration in applied instruction with an emphasis in jazz techniques. Music Core Elective. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

MUSI 129 Chamber Orchestra. Music Core Elective.

MUSI 130 Woodwind Methods. Study of the technical and artistic aspects of playing instruments in the woodwind family with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours.

MUSI 131 Brass and Percussion Methods. Study of the technical and artistic aspects of playing instruments in the Brass and Percussion families with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours.

MUSI 132 String Methods. Study of the technical and artistic aspects of playing instruments in the string family with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours.

MUSI 133 Vocal Methods. Study of the technical and artistic aspects of playing instruments in the voice family with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours.

MUSI 140 Applied Instrumental: Non-Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 1 semester hour. Music Core Elective. *Course Repeatable. Maximum number of units allowed 4.*



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MUSI 144 Applied Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 1 semester hour. Music Core Elective. *Course Repeatable. Maximum number of units allowed 4.*

MUSI 148 Applied Voice. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 1 semester hour. Music Core Elective. *Course Repeatable. Maximum number of units allowed 4.*

MUSI 190 Class Instruction in Voice. For the student who wants to learn to sing but has never studied voice or cannot read music. May be repeated. Periodically 2 semester hours. Music Core Elective. Typically offered Periodically.

MUSI 191 Class Instruction in Voice II. For the student who wants to continue to learn to sing but has never studied voice other than MUSI 190. 2 semester hours.

MUSI 194 Keyboard Skills. Class instruction in Piano: For the beginning piano student who prefers to learn in a group setting. Can be repeated. 2 semester hours. Music Core Elective.

MUSI 195 Class Instruction in Piano II. To be taken after the completion of MUSI 194. Prerequisite: MUSI 194 2 semester hours.

MUSI 196 Class Instruction in Voice. Instruction in Voice: For the beginning vocal student who prefers to learn in a group setting 2 semester hours.

MUSI 198 Class Instruction in Guitar. For the beginning guitar student who prefers to learn in a group setting. 2 semester hours. Music Core Elective.

MUSI 199 Class Instruction in Guitar II. For the beginning student who wants to continue to learn to play the acoustic guitar. Student must supply the instrument. Prerequisite: MUSI 198 2 semester hours.

MUSI 201 Theory III. An advanced theory course designed to cover chordal structures, formal analyses, development of aural skills, inversions, non-diatonic harmony, and sight-singing. Fall. IAI MUS 903. Prerequisite: MUSI 102. Co-registration with MUSI 212 required. 3 semester hours. Typically offered Fall Term.

MUSI 202 Music Theory IV. A continuation of MUSI-201. with emphasis on twentieth century procedures and theoretical concepts. Spring. IAI MUS 904. Co-registration with MUSI 213 required. 3 semester hours. Typically offered Spring Term.



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MUSI 204 Music Literature. The study and exploration of the Western Music composed during the Baroque, Classical, Romantic, and Contemporary periods. This music literature (i.e. musical scores) will be examined according to each significant genre, utilizing the composers from these periods as a frame of reference and discussion. Significant non-musical areas that influenced changes (such as religion, politics, technology, and historical events) will also be investigated. Emphasis will be placed upon developing listening skills, score analysis and the ability to generalize music listening activities to music not previously encountered from these periods. Periodically. IAI MUS 905. 3 semester hours. Music Core Elective. Typically offered Periodically.

MUSI 205 Music History I. Studies the origin and development of music from the ancient times through the Medieval, Renaissance, and Baroque periods. Special emphasis is placed on the crucial events, individuals, and genres that were developed and produced during this time. Analyzes and focuses on the cultural contributions and pedagogical implications of the significant epochs of this era. Fall. IAI F1 902. Prerequisite: MUSI 102. 3 semester hours. Music Core Elective. Typically offered Fall Term.

MUSI 206 Music History II. Studies the origin and development of music from the Classical through the modern periods. Special emphasis is placed on the crucial events, individuals, and genres that were developed and produced during this time. Analyzes and focuses on the cultural contributions and pedagogical implications of the significant epochs of this era. IAI F1 902. Spring. Prerequisite: MUSI 102, MUSI 205. 3 semester hours. Typically offered Spring Term.

MUSI 207 World Music. An investigation of the diverse cultures as represented by their music. Native instruments, production strategies, and theoretical analyses provide the student with a foundation to better understand the role music plays both in these cultures as well as our own. The course focuses on non-western music. IAI F1 903N. Fall. 3 semester hours. Music Core Elective. Typically offered Fall Term.

MUSI 208 Women in Music. This course examines the role of women in Western music which has historically been de-emphasized or even ignored until recently. The full extent of musical endeavors among women will be investigated along with some of the factors which accounted for the treatment many of these important composers and performers have received in the past. The primary focus will be directed toward Western art music, although contemporary and popular examples will also be presented. Spring. 3 semester hours. Music Core Elective. Typically offered Spring Term.

MUSI 209 The Psalms. A historical study of the Psalms that examines their literary form-through music from the Biblical times to the present and exegeses. Their relevancy and prayerful application in our daily lives are examined. 3 semester hours.

MUSI 210 Jazz History and Appreciation. Jazz is America's original art form that reflects the cultural diversity that gave rise to it. African, Caribbean, European and Brazilian influences upon jazz as well as the impact of jazz on other forms of music will be discussed. The class will focus upon its historical development from pre Civil War through the 20th century, reflecting upon both its sacred and secular manifestations. The basic elements of music that distinguish jazz from other musical genres will be explored. The course seeks to cultivate an appreciation of the major figures within jazz history (such as Armstrong, Parker, Ellington, Monk, Davis and Coltrane) and their stylistic innovations as well as their contributions to American culture. 2 semester hours. Music Core Elective.

MUSI 211 Rock History and Appreciation. This course explores the formative influences that gave rise to rock and pop music. It identifies its major figures, innovators and their contributions, as well the various styles that have developed in its history. The impact of social trends on rock music and the influence of rock music on society both are explored, as well as the role that technology has played in rock's evolution. Finally, other forms of music that have assimilated elements of rock music are identified and examined. 2 semester hours. Music Core Elective.



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MUSI 212 Aural Skills III. Third course in training of musical skills relating to pitch and rhythmic recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on proficiency testing. Prerequisite: MUSI 101/112 and 102/113 or proficiency. Co-registration with MUSI 201 recommended. Fall 1 semester hour. Typically offered Fall Term.

MUSI 213 Aural Skill IV. Fourth course in training of musical skills relating to pitch and rhythmic recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on proficiency testing. Spring. Prerequisites: MUSI 101/112, 102/113, and 201/212 or proficiency testing. Co-registration with MUSI 202 required. 1 semester hour.

MUSI 217 Vocal Diction. An advanced course in the study of English, Italian, Latin, German and French diction. The proper formation of vowel sounds, rules to follow in singing situations, and the International Phonetic Alphabet will be emphasized. This course will require research skills and include practicum experiences. Fall even. Prerequisite: Co-registration with MUSI-348. Applied voice or consent of instructor. 3 semester hours. Typically offered Fall Term, Even Years.

MUSI 218 Music and the Mind. This course combines popular and academic sources in an overview of writers, thinkers and researchers and their viewpoints regarding what it means to be musical. Special focus will be given to how people think and act musically. Offered Fall, odd years only. 3 semester hours. Typically offered Fall Term, Odd Years.

MUSI 240 Applied Instrumental: Non-Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 2 semester hours. Music Core Elective. *Consent Required. Course Repeatable. Maximum number of units allowed 8.*

MUSI 241 Junior Year Observation Experience. The student will visit a host school to observe and teach short sections of rehearsals, classes, sectionals, write lessons plans to teach a music history or music theory class, teach exceptional children, and teach a culturally diverse classroom. The student will choose two age levels for observation (six weeks of Elementary level classes, six weeks of Junior high classes, and/or six weeks of High school classes). The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 48 hours of Observation to be completed. 0 semester hours.

MUSI 242 Junior Year Observation Experience. The student will visit a host school to observe and teach short sections of rehearsals, classes, sectionals, write lessons plans to teach a music history or music theory class, teach exceptional children, and teach a culturally diverse classroom. The student will choose two age levels for observation (six weeks of Elementary level classes, six weeks of Junior high classes, and/or six weeks of High school classes). The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 48 hours of Observation to be completed. 0 semester hours.

MUSI 244 Applied Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 2 semester hours. Music Core Elective. *Course Repeatable. Maximum number of units allowed 8.*



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MUSI 248 Applied Voice. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 2 semester hours. Music Core Elective. *Course Repeatable. Maximum number of units allowed 8.*

MUSI 250 Junior Recital. Preparation and presentation of a solo performance program. Weekly mentoring sessions until performance will include practice with the accompanist, discussion of proper performance etiquette and the preparation of program notes. Co-registration with Applied Music at the 200 level and consent of department. 1 semester hour. Music Core Elective. *Consent Required.*

MUSI 291 Topics. Special course focusing on topics related to the needs and interests of the student. Topics to include areas of music literature, theory, and pedagogy. Periodically. 1-3 semester hours.

MUSI 303 Technology for Music Teachers. This course surveys the standard music technology software and hardware used in music education today. Emphasis will be given to the areas of pedagogy, composition, music theory, and performance. 3 semester hours.

MUSI 313 Music Pedagogy. An advanced course focusing on the development of music teaching skills. Particular emphasis will be made in accordance to the needs of the students enrolled. Students will learn the principles, techniques and materials necessary for applied music instruction in studio and classroom settings. Current trends and teaching strategies for diverse student abilities and need are examined. Methods for teaching basic skills in music reading, listening and arranging will be presented in the course. Fall, even years. Prerequisite: 300 level applied instruction. 3 semester hours.

MUSI 323 Music Practicum. This course is designed to give students supervised practical application of previously studied music theory in music and experienced through applied music and ensembles. The areas of music arranging, conducting, and orchestration will be studied with special attention to their practical use in the current music business environment. The use of music technology to prepare assignments will also be a component of the course. Junior Standing. Spring, odd years. 3 semester hours. Typically offered Spring Term, Odd Years.

MUSI 340 Applied Instrumental: Non-Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. 2 semester hours. Music Core Elective. *Consent Required. Course Repeatable. Maximum number of units allowed 8.*

MUSI 342 Senior Year Observation Experience. The student will visit a host school to observe and teach extended sections of rehearsals, classes, sectionals, write lessons plans to teach a music history or music theory class, teach exceptional children, and teach a culturally diverse classroom. The student will choose two age levels for observation (six weeks of Elementary level classes, six weeks of Junior high classes, and/or six weeks of High school classes). The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 100 hours of observation to be completed. 3 semester hours.



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MUSI 344 Applied Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. 2 semester hours. Music Core Elective. *Course Repeatable. Maximum number of units allowed 8.*

MUSI 348 Applied Voice. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. 2 semester hours. Music Core Elective. *Course Repeatable. Maximum number of units allowed 8.*

MUSI 350 Senior Recital. Preparation and presentation of a full solo performance program. Weekly mentoring sessions until performance will include practice with the accompanist, discussion of proper performance etiquette and the preparation of program notes. Pre-requisite: MUSI 250. Co-registration with Applied Music at the 300 level and consent of department. 2 semester hours. Music Core Elective. *Consent Required.*

MUSI 351 Principles and Procedures in Music Education. This course surveys contemporary music education learning and pedagogical theories. Principles and practices of curriculum design applied to the development of the music curriculum. Individual or group work on elementary and secondary school music curriculum projects. 3 semester hours.

MUSI 352 Instrumental and Choral Conducting. Overview of choral conducting patterns. Score, voice and instrumental warm-up, and intonation. Tempo fluctuation, left hand, diction, discipline. Designed for music and music education majors. 3 semester hours.

MUSI 353 Instrumental and Choral Ensemble Literature. An advanced course focusing on the literature of choral and instrumental ensembles. Particular emphasis will be given to the ensemble literature needs of the student learners at the Elementary, Junior High, and High School Levels. Students enrolled in this course will learn the principles, techniques, and materials necessary for teaching the choral and instrument ensemble literature. Current trends and teaching strategies for diverse student abilities and needs are examined. Methods for teaching basic skills in music reading, listening, and arranging will be presented in the course. Prerequisite: MUSI 202 3 semester hours.

MUSI 354 Teaching K-12 Classroom. The study of concepts and processes specific to and necessary for effective instruction in K-12 music education. Students explore various elementary and secondary music methods in both a classroom setting and in workshops by specialists in the field. 3 semester hours.

MUSI 360 Senior Seminar: Professional Portfolio. The students will analyze the job markets and prepare analyses of current issues in the performing arts. Analyses of demographics affecting the operations and organization of art programs in the United States will be studied. Students will be required to create a portfolio of personal data to prepare for job searches, prepare for mock interviews and present exhibition of works. Spring. Prerequisite: Junior Standing 3 semester hours. Music Core & Writing Intensive. Typically offered Spring Term.

MUSI 391 Topics. Special course focusing on various topics relating to the needs of the students and recent events and/or topics of interest. Topics to include areas of music literature, history, theory and pedagogy. Periodically. 1-3 semester hours. Typically offered Periodically.



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MUSI 395 Independent Study. A course in which the student, under the supervision of the teacher, may study any one of the current music courses in an individual and independent manner. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 3.*

MUSI 397 Internship. A practical course intended to give those students who are qualified, an opportunity to do observing - either in a classroom or privately - or to perform any practical job associated with his or her field under the supervision of the faculty. Each semester. Prerequisite: Department Consent 3 semester hours. Typically offered Fall and Spring Terms.

MUSI 398 Student Teaching. The student will choose a school to student teach for a 16 week period. Students are expected to be ready to teach and prepare lesson plans, rehearse and teach sectionals, teach applied lessons, assist the host band or choir director in daily classroom tasks, teach a class using a lesson plan and give a test, conduct the band or choir during a concert. The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 12 semester hours. *Consent Required.*

Natural Sciences

NTSC 107 Earth and Space Science. A physical science laboratory course that includes the study of key principles of Earth and Space Science through the investigation of real world problems. The earth science component includes the study of large-scale dynamic forces, events, and processes that affect the Earth's land, water, and atmospheric systems, identification and evaluation of the uses of the Earth's resources, and the processes involved in the life cycle. The space science component focuses on concepts that explain the composition, structure of and changes in the universe and Earth's place in it. By working and studying within the context of a real world problem, students learn how scientific principles are used and applied in everyday life. IAI P1 909. Spring. 4 semester hours. Typically offered Spring Term.

NTSC 111 Contemporary Biology. This course includes the study of key principles of the Biological Sciences through the investigation of real world problems. Topics include molecular and cellular biology, genetics, evolution, ecology, organismal biology, and diversity. By including the science and technology history of the real world problems, students will learn how scientific principles are used and applied in everyday life; and understand how advancements in these principles influence "problem solving" paradigms in science and technology. The course will facilitate the students' understanding of the scientific method by utilizing "hands-on science", inquiry based, and field based laboratory experiments. Prerequisite: MATH 110 or equivalent. Fall. 3 semester hours. Life Science Core Elective.

NTSC 112 Contemporary Physical Science. A physical science laboratory course that includes the study of key principles of physics through the investigation of a real world problem (or problems). Topics include displacement, velocity, acceleration, force, momentum, work, energy, electricity, thermodynamics, optics, and modern physics. By working and studying within the context of the "real world" problem, students learn how scientific principles are used and applied in everyday life. They also come to understand how advancements in these principles influence "problem solving" paradigms in science and technology. The course facilitates the students' understanding of the Scientific Method by utilizing "hands-on science" and "inquiry based" laboratory experiments. Spring, odd years. Prerequisite: MATH 110 or equivalent 3 semester hours. Physical Science Core Elective. Typically offered Spring Term, Odd Years.



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NTSC 151 Natural Science Interdisciplinary Laboratory I. An integrated laboratory course intended to teach the philosophy and practice of experimental aspects of science. Students will learn skills related to laboratory safety, ethics, data acquisition and analysis, experimental design and the scientific method. Methods and instrumentation of laboratory investigation that are common to the disciplines of biology and chemistry will provide the focus for student development of a standard set of laboratory skills and techniques. The rationale behind experimental protocols and principles of up-to-date methodology and laboratory techniques are discussed in lectures and practiced in the laboratory. Fall. Prerequisites: Credit or co-registration in Math 210 or higher and credit or co-registration in Biol 197 or Biol 198 and/or Chem 113. NOTE: Satisfactory completion of NTSC 151 and NTSC 152 (three credit hours) is equivalent to, and may be substituted for BIOL 199 (one credit hour), CHEM 114 (one credit hour), and CHEM 124 (one credit hour). Fall. 1.5 semester hours. Life Science Core Elective. Typically offered Fall Term.

NTSC 152 Natural Science Interdisciplinary Laboratory II. This course is a continuation of NTSC-C151 and the study and practice of methods and instrumentation of laboratory investigation that are common to the disciplines of biology and chemistry. Both courses will provide the focus for student development of a standard set of laboratory skills and techniques that will be used in upper level courses. Prerequisites: Credit or co-registration in MATH-210 or higher and credit or co-registration in BIOL 197 or BIOL 198 and /or CHEM 113. Spring. NOTE: Satisfactory completion of NTSC 151 and NTSC 152 (three credit hours) is equivalent to, and may be substituted for BIOL 199 (one credit hour), CHEM 114 (one credit hour), and CHEM 124 (one credit hour). Spring. 1.5 semester hours. Life Science Core Elective. Typically offered Spring Term.

NTSC 200 Natural Science Teaching. Teaching assistant. Offered each semester and summer. 1-2 semester hours. Typically offered Fall, Spring, and Summer Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

NTSC 210 Science and the Humanities. An integrative course of the sciences and humanities based on how different disciplines form the foundation on which the process of scientific investigation rests. Satisfies the HUMN-SCI core for the BA in Biology. Sophomore Standing. Periodically. 3 semester hours. Life Science Core Elective.

NTSC 398 College of Science Summer Research. This is a zero credit hour class which outlines the duties of the students who participate in the College of Science Research Program. Only a Pass/Fail grade will be given. Students who successfully complete the requirements will receive a passing grade. Students will sign up for the class at the beginning of summer and the grade will be posted when all requirements are completed. The latest assignments of grades will be in the spring semester of the following year. Offered summer. Typically offered Summer Term. *Consent Required. Course Repeatable. Maximum number of units allowed 0.*

Nuclear Medicine Tech

NMTC 304 Nuclear Science. Origins and nature of nuclear and atomic radiation, interaction of radiation with matter, radiation detectors, detection systems, and radiation safety. Lecture and laboratory. Intended for any qualified sciences student. Periodically. Prerequisite: Consent of instructor. 2 semester hours. Typically offered Periodically. *Consent Required.*



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NMTC 331 Management and Methods of Patient Care. Skills in problem-solving, critical-thinking, and decision-making are developed as well as oral and written communication skills. Career skills are enhanced through the interview process, resume writing, and administrative duties including; budgeting, medical and legal considerations and political issues affecting health care. Special emphasis is placed on participation in a quality control program and scheduling guidelines. Focus on basic measures necessary to provide quality patient care. Basic principles of record keeping and maintaining confidentiality of information are explained. Prerequisite: Consent of instructor. 2 semester hours.

NMTC 332 Radiation Safety & Protection. Supervised practice and procedures for the receipt, handling, transporting, storage, usage, record keeping, disposal and decontamination of radioactive materials. Emphasis on licensing and regulations set forth by local, state, and federal agencies. Academic and clinical instruction to provide the student with radiation safety techniques to minimize exposure to themselves, the patient, public, fellow workers and themselves. Regulations regarding therapeutic dosages and follow-up procedures. 3 semester hours.

NMTC 333 Nuclear Physics & Instrumentation. Theory and physical principles associated with atomic structure, nucleus and quantum physics related to radioactive decay. Properties of the elements and the production of characteristic x and gamma rays, alpha electrons and Bremsstrahlung. Instruction on the modes of decay, radiation dosimetry, and interaction of ionizing with matter. Basic physics, instrumentation, and radiochemistry of Positron Emission Tomography (PET). 3 semester hours.

NMTC 334 Diagnostic Nuclear Imaging Practicum I & II. Supervised clinical education that gives the student the opportunity to perform a variety of patient procedures on both SPECT and PET imaging systems for all diagnostic, therapeutic, non-imaging in-vivo and in-vitro procedures. Clinical competencies developed in patient care, positioning techniques, analyzing images, and the selection of imaging parameters and collimators. Knowledge of integrated computer systems designed for use with clinical gamma cameras, Single Photon Emission Computed Tomography (SPECT) and Positron Emission Tomography (PET) images. The clinical practicum is designed to promote independent critical thinking, balanced responsibility, organization and accountability in the student. Students will demonstrate competence in all procedures presented. 9 semester hours.

NMTC 335 Clinical Nuclear Imaging Procedures. Emphasis on theory and techniques of clinical procedures used in nuclear medicine imaging. Areas emphasized include patient care, developing acquisition parameters, imaging techniques, radionuclide identification, energies, half-lives, and principles of radionuclides in imaging and non-imaging procedures. Students will continue to develop an increased degree of competence in their performance of the skills related to critical thinking and problem solving. 3 semester hours.

NMTC 336 Radionuclide Chemistry and Radiopharmacy. The chemical, physical and biological properties of radiopharmaceuticals used in diagnosis and therapy. Emphasis is given to the preparation, calculation, identification, administration, and disposal of radiopharmaceuticals. Performance of all radionuclide quality control and quality assurance procedures. Principles of decay and half-life, tissue localization, chemical impurities, generator systems, dose preparation and techniques of good laboratory practices. 3 semester hours.

NMTC 337 Radiation Biology. Knowledge of cell structure and function as a basis for understanding cellular and organ responses to the effects of ionizing radiation, radionuclides and radiation oncology. Understanding units of exposure, organ dose calculation and body distribution. 2 semester hours.

NMTC 338 Computer Applications. Knowledge of the operations and maintenance of computer hardware and software. Emphasis on data collection, analysis and processing used in clinical imaging. Application of computer devices and memory usage. Emphasis on SPECT and PET quality control procedures. 3 semester hours.



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NMTC 339 Clinical Correlation. Focus on the study of the structure and function of human cells, tissues, organs and systems. Clinical interpretation of organ systems with emphasis on immunology, and anatomy and physiology, which will provide a basis for understanding abnormal or pathological conditions as applied to nuclear medicine. Causes, symptoms, and treatments of disease are discussed as well as its effect on the images. In addition, the student is scheduled to observe the interpretation of images with the physician staff. 3 semester hours.

NMTC 340 Radiation Detection & Instrumentation. Evaluation, maintenance and function of instrumentation used in imaging and in the laboratory. Principles and theory of PET and scintillation camera operation and performance. Radiation measurement, event counting activity, pulse height spectra, detection efficiency, resolving time and statistics. Flood field and bar phantom use for assessing camera uniformity, relative sensitivity, spatial linearity and resolution testing. Quality assurance procedures for the PET scanner include radial, tangential and axial resolution, sensitivity, linearity, uniformity, attenuation accuracy, scatter determination and dead time corrections. 2 semester hours.

NMTC 341 Technical Mathematics. Practical mathematics in nuclear medicine including, radiation unity conversion, dose calculation, determination of specific activity, decay and half-life calculation, counting efficiency and statistics. 1 semester hour.

Nursing and Health

NRHL 200 Nursing Transitions. A bridge course that introduces the philosophy and concepts of baccalaureate nursing. Emphasis is placed on the components of professional nursing practice and supporting theories. 3 semester hours.

NRHL 213 Health Aspects of Aging. Focuses upon the normal aging process in American Society including biological, psychological and health aspects. Emphasis is placed on health services, health maintenance, and contemporary issues with respect to the elderly population. 3 semester hours. Life Science Core Elective.

NRHL 250 Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For nursing majors. 3 semester hours.

NRHL 290 Health Assessment. Presents the theory and process of health assessment. Focuses on history, physical examination, screening tests, and resultant nursing diagnoses. Clinical Lab provides for application of skills. 3 semester hours.

NRHL 295 Research. Explores the research process as it applies to nursing and health care. Emphasis is placed on analysis and critique of research studies. 3 semester hours.

NRHL 300 Transforming Care. Explores concepts of safety, quality and complementary and alternative therapies appropriate to the care of clients with acute, chronic or complex health problems. 3 semester hours.

NRHL 301 Family Health Nursing. Provides students with a foundation in the concepts/theories of family health care nursing. Selected clinical experiences emphasize application of family nursing principles. 4 semester hours. Writing Intensive Course.

NRHL 311 Community Health Nursing. Explores the physical, social, economic and environmental factors which affect the health of a community. Selected field experiences emphasize applying nursing process to population groups and communities. 3 semester hours.



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NRHL 320 Health Systems. Overview of the history, basic structures and operations of public health and health care delivery systems. 3 semester hours.

NRHL 378 Leadership and Management. Introduces the functions of management within a rapidly changing health care environment. Emphasis is on current issues impacting leadership and management within nursing practice. 3 semester hours.

NRHL 395 Nursing Elective. Guides independent study in theoretical or clinical aspects of nursing. Consent of Department Coordinator; NRHL 378 and WRIT 102. 1-3 semester hours. *Consent Required.*

Nutrition

NUTR 100 Impact of Nutrition. For non-majors. An introduction to nutrients; cultural, socioeconomic, and other influences on nutrition intake; impact of nutrition on health status; and issues of hunger and malnutrition. Each Semester. IAI L1 904. 3 semester hours. Life Science Core Elective. Typically offered Fall and Spring Terms.

NUTR 110 Environmental Nutrition. For non-majors. An introduction to nutrients and sources, digestive and metabolic processes, and the health impact of nutrient deficiencies and excesses. Discussion incorporates the relationships between food, nutrition, health, culture, and the environment. Environmental issues include world food supply and choices, food access and security, agriculture and production, and food safety. Requires a travel/study abroad component. Periodically. (Cannot receive credit for NUTR 100 or NUTR 200 and NUTR 110). 3 semester hours. Typically offered Periodically.

NUTR 150 Food Service Sanitation. An overview of applied Food Service Sanitation as it relates to proper food handling and training in the food service industry. Emphasis placed on prevention of food borne illness. At the completion of the course, students will take the Illinois Certification exam from the Educational Foundation of the National Restaurant Association. Spring. 1 semester hour.

NUTR 190 Selected Topics in Nutrition. Special topics in nutrition adjusted to the needs of students. Periodically. Topics may be changed so that the course may be repeated for credit. 1-3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 18.*

NUTR 200 Nutritional Science. An integrated approach to the study of the requirements and functions of nutrients that are determinants of health and disease in human populations. (Note: Cannot receive credit for NUTR C100, NUTR C110 and C200). Each Semester. 3 semester hours. Life Science Core Elective. Typically offered Fall and Spring Terms.

NUTR 241 Nutrition through the Life Cycle. A life cycle approach to nutrition science; incorporates nutrient availability, function and sources; energy balance; health risk factors; and special nutrient needs for various stages of the life cycle. Each semester. 3 semester hours. Life Science Core Elective. Typically offered Fall and Spring Terms.

NUTR 244 Food Science. A study of the physical and chemical composition, structure, and functional properties of carbohydrates, proteins, and fats; sensory evaluation principles; and applications to food and nutritional health. Pre-requisite: CHEM 101 or CHEM 123. Fall. 3 semester hours.

NUTR 245 Food Science Laboratory. Applied sensory and physiochemical examination of study of the composition, structure, and functional properties of carbohydrates, proteins, and fats. Pre-requisite (transfer course) or co-registration in NUTR 244. Fall. Lab fee: \$130. 1 semester hour.



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NUTR 246 Experimental Foods Laboratory. Experimental application of physiochemical behavior of food. Includes recipe development/research. Spring. Prerequisite: NUTR 244 and 245. Lab fee: \$130 1 semester hour. Typically offered Spring Term.

NUTR 250 Foodservice Operations. This course presents the following food service principles: menu planning, purchasing, and procurement, production, distribution and service, quality improvement, and layout and design. Pre-Requisite: NUTR 200 or 241 or 244. Fall/Spring. 3 semester hours. Typically offered Fall and Spring Terms.

NUTR 271 Nutrition Education. Nutrition education for groups and individuals in clinical and community settings. Learning and health behavior change theories. Applied concepts of needs assessment, goals and objectives, selection of learning activities and materials, development of educational plans, and evaluation procedures. Prerequisite: NUTR 200 or 241. Fall/Spring. 3 semester hours. Typically offered Fall and Spring Terms.

NUTR 280 Community Nutrition. Identification of current public health nutrition problems; influence of socioeconomic, cultural and psychological factors on food and nutrition behavior; available community programs; program development and marketing; and the implications of public policy legislation. Prerequisite: NUTR 200 OR 241. 3 semester hours. Typically offered Fall, Spring, and Summer Terms.

NUTR 290 Selected Topics in Nutrition. Special topics adjusted to the needs of the students. Topics may be changed so that the course may be repeated for credit. Periodically. 1-3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 18.*

NUTR 295 Nutrition Teaching. Supervised teaching of nutrition in laboratories. Each semester. Prerequisite: NUTR 245, 246, or 298; Nutrition majors only and consent of instructor. May be repeated for credit. 1 semester hour. Typically offered Fall and Spring Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 18.*

NUTR 296 Nutrition Services in the Community Practicum. Experience designed to meet interest of an individual student and serve a community need. Off-campus site. Transportation is required. Summer. Prerequisite: Consent of Instructor and Nutrition majors only. May be repeated for credit. Fee: \$27.50 1-3 semester hours. Typically offered Fall and Spring Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 18.*

NUTR 297 Quantity Foods Practicum. Supervised experience in foodservice operations and management, with emphasis on areas related to menu planning, food purchasing, cost control, and production, quality improvement, and applied sanitation and safety. May be at off-campus sites. Transportation may be required. Summer. Prerequisite: NUTR 250, 3.0 G.P.A., consent of Instructor, and nutrition majors only. 2-3 semester hours. Typically offered Fall and Spring Terms. *Consent Required.*

NUTR 298 Cultural Foods. An overview of the food habits of world cultures, including discussion of ways in which food, food production, food consumption and food rituals are associated with cultural norms, behaviors, social conventions, religious practices, and individual and group ways of living. Laboratory component provides exposure to traditional foods and cooking techniques. Pre-requisite: NUTR 244 and 245; co-registration lecture and lab (NUTR 298A&B). Each semester. 2 semester hours. Typically offered Fall and Spring Terms.



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NUTR 341 Medical Nutrition II. Physiological and biochemical aspects of nutrient metabolism; interrelationships between cellular reactions, nutrition, and health; biochemical and physiological principles of nutrition for obesity, eating disorders, alcohol metabolism, inborn errors, the nervous system. Spring. Prerequisite: BIOL 108 or BIOL 198, NUTR 200 or NUTR 241, and BCHM 251 or 261. 3 semester hours. Typically offered Spring Term.

NUTR 342 Applied Nutritional Physiology. This class is designed to provide a detailed survey of the literature related to the nutrition and physical activity aspects of Metabolic Syndrome Related Diseases. Students will be expected to have a comprehensive understanding of the epidemiology and scientific basis of Metabolic Syndrome. Detailed discussions will include CVD, diabetes, hypertension, obesity, hyperlipidemia, and systemic inflammation as they relate to nutrition and physical activity. Pre-requisites: NUTR 200 or 241; BCHM 251 or 261 and BIOL 258 (basic nutrition, biochemistry and physiology courses). Cross-listed as NUTR 342 and NTR 542. Spring semester. 3 semester hours.

NUTR 345 Science of Sports Nutrition. The course examines the metabolic and physiologic basis for macronutrient and micronutrient recommendations during training, competition/performance, and recovery. Includes disease applications and case studies. Pre-requisites: BIOL 258, BCHM 251 or 261, and NUTR 200 or 241. Spring. 3 semester hours. Typically offered Spring Term.

NUTR 350 Food and Nutrition Services Management. This course presents the students with information regarding the key concepts of organization structure and management principles including: fiscal control, performance measurements, human resource and information management, and marketing. Prerequisite: NUTR 250 and co/registration in MGT/PSYC 320. 2 semester hours. Typically offered Fall, Spring, and Summer Terms.

NUTR 371 Medical Nutrition Therapy I. Pathology, treatment and nutritional therapy of chronic and acute diseases. Prerequisite: BIOL 258, NUTR 200 or 241. 4 semester hours. Typically offered Fall, Spring, and Summer Terms.

NUTR 372 Clinical Nutrition Case Studies Lab. A problem-based learning approach to case studies, integrated with a traditional didactic approach, to foster development of independent critical thinking skills. Incorporates medical record reviews, development of clinical and education plans, and documentation techniques. Part of the course is supervised at an off-campus site; transportation is required. Credit or co-registration in NUTR 371, 391 and 392. Each semester. 2 semester hours. Typically offered Fall and Spring Terms.

NUTR 373 Advanced Menu Planning Lab. Applied process of translating the nutritional needs into menus for healthy persons and those with special dietary considerations, throughout the life span. Includes management and quality improvement principles. Prerequisite: NUTR 250 and Credit or co-registration in NUTR 371. 1 semester hour. Typically offered Fall, Spring, and Summer Terms.

NUTR 381 Behavioral and Social Aspects of Public Health. Addresses behavioral and social factors and theories related to individual and population health. Prerequisite: Senior standing and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course (MPH 601). It does not count towards science core or major credit. 3 semester hours. Typically offered Fall, Spring, and Summer Terms. *Consent Required.*

NUTR 382 Public Health Systems. It explores the history, basic structures and operations of public health and health care delivery systems based on Essential Public Health Services. Prerequisite: Senior standing and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course (MPH 602). It does not count towards science core or major credit. 3 semester hours. *Consent Required.*



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NUTR 383 Ethical and Political Issues. Applies basic principles of ethical analysis (e.g. Public Health Code of Ethics, human rights framework, other moral theories) to issues of public health practice and policy. Prerequisite: Senior standing and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course (MPH 603). It does not count towards science core or major credit or PHIL core. 3 semester hours. *Consent Required.*

NUTR 390 Selected Topics. Special topics in nutrition adjusted to the needs of the students. Topics may be changed so that the course may be repeated for credit. Prerequisites: refer to the course schedule (usually NUTR 200 or 241, BCHM 261, BIOL 258, and consent of Nutrition Department Chairperson). Periodically. 1-3 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 18.*

NUTR 391 Nutrition Assessment lab. Professional practice roles, methods, and skills. Emphasis on developing skills in medical terminology and nutrition assessment (i.e. anthropometrics and other body composition indicators, biochemical indices, clinical symptomatology, dietary intake) for health promotion and disease prevention. Learning experiences include practice in the campus and community. Transportation may be required. Pre-requisite: Credit or co-registration in NUTR 371. Lab fee: \$130. Each semester. 1 semester hour. Typically offered Fall and Spring Terms.

NUTR 392 Nutrition Research and Professional Writing. Critique nutrition literature as foundation to develop a professional manuscript, journal critique and write for public audiences. Prerequisite: WRIT 102; BIOL 229 or PSYC 150; and credit or concurrent registration in NUTR 341 or NUTR 371. Fall/Spring. 2 semester hours. Writing Intensive Course. Typically offered Fall and Spring Terms.

NUTR 395 Nutrition Counseling Lab. Interviewing and counseling methods and techniques. Prerequisite: NUTR 271 and credit /co-registration in NUTR 392. Nutrition majors only. Spring. 1 semester hour. Typically offered Spring Term.

NUTR 396 Specialized Nutrition Practicum. Supervised experience designed to meet the interest of an individual student. May be at off-campus sites. Transportation may be required. Each semester and summer. Prerequisite: Nutrition majors only and Instructor consent. Fee: \$27.50 1-3 semester hours. Typically offered Fall and Spring Terms. *Consent Required.*

NUTR 399 Nutrition Research. A supervised nutrition research project that is conducted on or off campus. May be repeated for credit. Each semester. Nutrition majors only, and Instructor consent. 1-3 semester hours. Typically offered Fall and Spring Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 18.*

Philosophy

PHIL 120 Greek Philosophy. A historical introduction to Greek thought. Fall. IAI H4 901. 3 semester hours. Philosophy Core Elective.

PHIL 191 Selected Topics. Special philosophical issues offered at the introductory level according to the interest of faculty and students. Periodically. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

PHIL 200 Introduction to Logic. What is the difference between a sound and an unsound argument? How can one tell the difference between good reasoning and bad? What sorts of evidence should one accept for certain claims? As we pursue these questions, we will discuss and practice the fundamentals of both informal and formal logic. Fall, yearly. 3 semester hours. Philosophy Core Elective.



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PHIL 205 Philosophy of Human Nature. Investigation of the classic questions regarding the human person: unity, freedom, death and immortality, mind-body relation, and community. Spring. 3 semester hours. Philosophy Core Elective.

PHIL 210 Philosophy of Being. Examination of the basic principles of reality which affect all thought: change and permanence, unity in diversity, the meaning of existence, goodness, truth and beauty, the categories of being, and the analogy of being. Fall. 3 semester hours. Philosophy Core Elective.

PHIL 215 Theory of Knowledge. Analysis of the nature, possibility, foundations, and extent of human knowledge. Fall. 3 semester hours. Philosophy Core Elective.

PHIL 220 Mediterranean World. See HUMN 220. Offered yearly. 3 semester hours.

PHIL 225 Medieval Philosophy. Survey of philosophy from Augustine to the 14th Century. Offered: Spring, even years only. 3 semester hours. Philosophy Core Elective.

PHIL 230 Contemporary Anglo-American Philosophy. This course is a survey of late 19th and 20th Century English-speaking, British and North American Philosophies. Fall, odd years. 3 semester hours.

PHIL 235 Modern Philosophy. Survey of philosophy from the 15th century to the early 19th century. Fall, even years. 3 semester hours. Philosophy Core Elective. Typically offered Fall Term, Even Years.

PHIL 240 Converging Hemispheres. Fall, yearly. 3 semester hours. Philosophy Core Elective.

PHIL 245 General Ethics. Investigation of ethical concepts and theories and an analysis of the norms of ethical decision. Spring, yearly. 3 semester hours. Philosophy Core Elective.

PHIL 246 General Ethics for the Bio-Medically-Minded. Course covers major schools of thought on ethics within the bio-medical arena. 3 semester hours. Philosophy Core Elective.

PHIL 247 General Ethics for the Business-Minded. Course covers major schools of thought on ethics within the business arena. 3 semester hours. Philosophy Core Elective.

PHIL 248 General Ethics for the Ecology-Minded. Course covers major schools of thought on ethics within the environmental/ecology arena. 3 semester hours. Philosophy Core Elective.

PHIL 249 General Ethics for the Professional. Investigation of ethical concepts and theories and an analysis of the norms of ethical decision and the relationship of these to professionals in all fields. It provides a solid foundation in moral theory, recast in light of postmodern critiques of moral philosophy, together with diverse applications to help students understand the philosophical complexity of ethical challenges that arise for professionals in all types of work and can help students from all disciplines better understand how to resolve ethical challenges in the modern workplace. Fall and Spring. 3 semester hours. Philosophy Core Elective.

PHIL 250 Contemporary World. See HUMN 250 with philosophical emphasis. Spring. 3 semester hours. Philosophy Core Elective.



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PHIL 255 Contemporary Continental Philosophy. 3 semester hours. Philosophy Core Elective.

PHIL 260 Social & Political Philosophy. Course covers the philosophy of societal change, the forces that bring about change and the revolutionary potential of change. 3 semester hours. Philosophy Core Elective.

PHIL 265 Contemporary Anglo-American Philosophy. Course covers 19th and 20th century philosophical movements in America and Britain. 3 semester hours. Philosophy Core Elective.

PHIL 270 Medieval Philosophy. This course uses elements of fiction and non-fiction in the study of various topics of race, class and gender in American Studies (Topics vary). Cross listed with PHIL 370. 3 semester hours. Philosophy Core Elective.

PHIL 285 Topics in Philosophical Exploration of Religion. This course is an investigative exploration of some of the fundamental philosophical questions and relationships pertaining to the nature, practice, and understanding of religion or Theology. Periodically. 3 semester hours. Typically offered Periodically.

PHIL 290 History and Philosophy of Science. Course covers the historical, philosophical and ethical questions of the scientific revolution through the present. 3 semester hours. Philosophy Core Elective.

PHIL 291 Philosophical Topics. Special philosophical issues offered at the intermediate level according to the interest of faculty and students. A topics course may apply toward the divisional core. 3 semester hours. Philosophy Core Elective. *Course Repeatable. Maximum number of units allowed 99.*

PHIL 295 Independent Study. Special philosophical issues offered according to the interest of faculty and students. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PHIL 315 Theory of Knowledge. Analysis of the nature, possibility, foundations, and extent of human knowledge. 3 semester hours. Philosophy Core Elective.

PHIL 325 Medieval Philosophy. Survey of philosophy from Augustine to the 14th century. 3 semester hours. Philosophy Core Elective.

PHIL 330 Contemp Anglo-Amer Philosophy. This course is a survey of late 19th and 20th Century English - speaking, British and North American Philosophies. Fall, odd years. 3 semester hours. Philosophy & Writing Inten. Typically offered Spring Term, Even Years.

PHIL 335 Modern Philosophy. Survey of philosophy from Descartes to Kant. 3 semester hours. Philosophy Core Elective.

PHIL 345 Topics in Philosophical Ethics. 3 semester hours.



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PHIL 346 Biomedical Ethics. In this class, students will investigate fundamental ethical questions pertaining to health, medicine, and the life sciences. It is a course in applied ethics - where the application of general ethical theory is to the contemporary moral issues of medicine and biology. Pre-requisite: A Philosophy course. Offered Spring. 3 semester hours. Philosophy Core Elective.

PHIL 347 Ethics for the Business-Minded. Course covers major schools of thought on ethics within the business arena. 3 semester hours. Philosophy Core Elective.

PHIL 348 Ethics for the Ecologically Minded. Course covers major schools of thought on ethics within the environmental/ecology arena. 3 semester hours. Philosophy Core Elective.

PHIL 355 Philosophy of Law. Conceptual and moral investigation of the nature of the law and of practical legal issues, such as civil disobedience or the obligation to obey the law. Periodically. 3 semester hours. Typically offered Periodically.

PHIL 360 Social and Political Philosophy. Course covers the philosophy of societal change, the forces that bring about change and the revolutionary potential of change. 3 semester hours. Philosophy Core Elective.

PHIL 370 Medieval Philosophy. Survey of philosophy from Augustine to the 14th Century. Offered spring, even years only. Cross listed with PHIL 270. 3 semester hours. Philosophy Core Elective. Typically offered Spring Term, Even Years.

PHIL 385 Topics in Philosophical Exploration of Religion. This course is an investigative exploration of some of the fundamental philosophical questions and relationships pertaining to the nature, practice, and understanding of religion or Theology. Periodically. 3 semester hours. Typically offered Periodically.

PHIL 390 History and Philosophy of Science. Course covers the historical, philosophical and ethical questions of the scientific revolution through the present. 3 semester hours. Philosophy Core Elective. *Consent Required.*

PHIL 391 Selected Topics. Special philosophical issues offered at the advanced level according to the interest of faculty and students. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*

PHIL 395 Independent Study. Designed to encourage the superior student to study in depth and to research an area beyond the undergraduate course offerings. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PHIL 397 Internship. Practical experience in a related career field under the supervision of the philosophy program. Prerequisite: Department consent. 3 semester hours. *Consent Required.*

Physical Education

PHED 200 Philosophy and Foundation of Physical Education. This course is an introduction to physical education as both an academic discipline and profession including philosophical and scientific principles, current trends and practices, and career opportunities. Physical Education advocacy techniques will also be introduced in this course. (To be taken concurrently with PHED 201). Pre-requisite: PHED 201. 3 semester hours. Typically offered Fall Term.



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PHED 201 Assessment and Teaching for Lifetime Physical Fitness. This course provides students with an understanding of the positive impact of healthy life style choices. Students will learn self management skills and goal setting as they design their personal fitness plans and then work on self designed goals by participating in a fitness program during the course of the term. Includes classroom discussion and laboratory experiences to assess an individual's current wellness needs. Students will also participate in self-directed activities outside the classroom to achieve goals. (To be taken concurrently with PHED 200). \$30 lab fee. Fall. 2 semester hours. Typically offered Fall Term.

PHED 240 Teaching Team Sports and Activities. This course is designed to provide knowledge and understanding of instructional methods and organization in team activities. An emphasis will be placed on strategies to adapt or maximum student participation. 2 semester hours. Typically offered Fall Term.

PHED 241 Teaching Individual Sports and Activities. This course is designed to provide knowledge and understanding of instructional methods and organization in individual activities. An emphasis will be placed on strategies to adapt for maximum student participation. Department consent required. Spring, yearly. 2 semester hours. Typically offered Spring Term. *Consent Required.*

PHED 243 Teaching Basic Dance and Rhythms. This course provides instructional strategies in the creative use of rhythms and dance in physical education. Department request. Offered fall, yearly. 3 semester hours. Typically offered Fall Term. *Consent Required.*

PHED 257 Wellness. Concepts and applications of cardiovascular fitness, nutrition and weight management, stress management life-style management, and substance abuse. Emphasis is on the interactive nature of these health-related components, on being an informed consumer, and on the development and implementation of a personal wellness program. Satisfies teaching certification Health/Physical Education requirement. 2 semester hours.

PHED 260 First Aid and CPR. This course provides instruction in first aid, safety, cardiopulmonary resuscitation (CPR), and the use of AED. Certification in First Aid and CPR will be available through the American Red Cross. Spring, yearly. 3 semester hours. Typically offered Spring Term.

PHED 270 Growth and Development of Children and Adolescents. This course discusses motor development of children and youth (birth through adolescence) with emphases on physiological growth, movement, motor skill development, and brain and exercise research. Spring, yearly. 2 semester hours. Typically offered Spring Term.

PHED 300 Physical Education for Special Populations. This course prepares the physical educator to adapt and modify activities to encourage integration of exceptional children into regular physical education classes. Pre-req: EDUC 260 and Department consent. 3 semester hours. Typically offered Spring Term. *Consent Required.*

PHED 302 Kinesiology. This course is designed to study muscles and their role in the science of human motion. This course is based on anatomical and mechanical principles with emphasis on the analysis of human movements in games, sports other physical education skills, and basic movement activities. Laboratory experiences will also be provided to augment kinesiological concepts covered. Pre-requisite: BIOL 155. Spring, yearly. 3 semester hours. Typically offered Spring Term.



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PHED 305 Measurement and Evaluation for Physical Education. This course provides students with an understanding of current assessment techniques for physical education and physical fitness in order to select and use developmentally appropriate strategies and instruments that align with physical education learning goals. Students will also learn to apply performance data to make informed curricular decisions relative to the physical education program. Instructor consent. Fall, yearly. 3 semester hours. *Consent Required.*

PHED 308 Administration of Physical Education. This course provides administrative concepts and application to physical education programs with an emphasis on leadership, program management, program evaluation, personnel, facilities, budgeting, and curriculum. Emphasis will be placed on current research and current program assessment techniques. Consent required. Fall, yearly. 3 semester hours. Typically offered Fall Term. *Consent Required.*

PHED 320 Physical Education Curriculum Design. this course will focus on the development and integration of a team building program into the overall school curricula. Consent required. 3 semester hours. Typically offered Fall Term. *Consent Required.*

Physics

PHYS 101 Physical Science. An introduction to the basic concepts of physics and scientific reasoning relating to the experiences encountered in the everyday physical environment. For non-science majors. Each semester. IAI P9 900. 3 semester hours. Physical Science Core Elective. Typically offered Fall and Spring Terms.

PHYS 105 Physical Geography. An introduction to hydrology and the physical processes operating in and on the planet earth. Topics of study will include ground and surface water, the hydrologic cycle, watershed models, groundwater recharge, geomorphology, tectonics, structural features, and geological processes relating to natural resource management, environmental processes and concerns. Periodically. 3 semester hours. Physical Science Core Elective. Typically offered Periodically.

PHYS 106 Astronomy. Examines astronomical phenomena and concepts including the solar system, stars, galaxies, planetary motion and the evolution of the universe. 3 semester hours. Physical Science Core Elective.

PHYS 107 Earth and Space Science. A physical science laboratory course that includes the study of key principles of Earth and Space Science through the investigation of real world problems. The earth science component includes the study of large-scale dynamic forces, events, and processes that affect the Earth's land, water, and atmospheric systems, identification and evaluation of the uses of the Earth's resources, and the processes involved in the life cycle. The space science component focuses on concepts that explain the composition, structure of and changes in the universe and Earth's place in it. By working and studying within the context of a real world problem, students learn how scientific principles are used and applied in everyday life. IAI P1 909. Spring. 4 semester hours. Typically offered Spring Term.

PHYS 113 College Physics I. PHYS 113, 114, 118 and 119 constitute a complete non-calculus introductory physics sequence including laboratory for life sciences majors. Topics for PHYS 113 include vectors, classical mechanics, heat and wave phenomena. Fall, summer. IAI P1 900; BIO 903. Prerequisite: "C" or better in MATH 111. 3 semester hours. Physical Science Core Elective. Typically offered Fall and Summer Terms.

PHYS 114 College Physics I Lab. Selected experiments to illustrate the experimental methods and the principles studied in PHYS 113. Fall, summer. IAI P1 900L; BIO 903. Prerequisite: credit or co-registration in PHYS 113. 1 semester hour. Physical Science Core Elective. Typically offered Fall and Summer Terms.



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PHYS 118 College Physics II. Topics include electromagnetism, light, atomic physics, and nuclear physics. Spring, summer. IAI MTM 902L; BIO 904. Prerequisite: PHYS 113. 3 semester hours. Physical Science Core Elective. Typically offered Spring and Summer Terms.

PHYS 119 College Physics II Lab. Selected experiments to illustrate the concepts studied in PHYS 118. Spring, summer. IAI MTM 902L; BIO 904. Prerequisite: PHYS 114 and credit or co-registration in PHYS 118. 1 semester hour. Physical Science Core Elective. Typically offered Spring and Summer Terms. *Course Repeatable. Maximum number of units allowed 1.*

PHYS 205 University Physics I Lab. Designed to acquaint the student with experimental methods and techniques with applications to the topics studied in PHYS 211. Fall. Prerequisite: Credit or co-registration in PHYS 211. 1 semester hour. Physical Science Core Elective. Typically offered Fall Term.

PHYS 206 University Physics II Lab. Designed to acquaint the student with experimental methods and techniques with applications to the topics studied in PHYS 212. Spring. IAI EGR 912. Prerequisite: PHYS 205 and credit or co-registration in PHYS 212. 1 semester hour. Physical Science Core Elective. Typically offered Spring Term.

PHYS 207 Modern Physics Lab. Experimental physics course designed to cover laboratory methods and techniques that apply to topics from Modern Physics. Topics to be covered include electron charge to mass ratio, crystal scattering, spectroscopy, blackbody radiation, scanning probe microscopy, photon, tunneling, lasers, semiconductor devices, holography, radioactive decay, and the photoelectric effect. Pre-requisite: Physics 213 or consent of instructor 1 semester hour.

PHYS 211 University Physics I. An introductory treatment of mechanics, waves, and heat. Topics include vectors, statics, dynamics, work, energy, collisions, rotational motion, gravitation, hydrostatics, vibrations, ideal gases, heat, and thermodynamics. The courses PHYS 211, 212 and 213 constitute a complete sequence for science, mathematics, computer science, and engineering students. Fall. IAI EGR 912. Prerequisite: Credit or co-registration in MATH 210 or MATH 220. 4 semester hours. Physical Science Core Elective. Typically offered Fall Term.

PHYS 212 University Physics II. Electric field and potential, dielectrics, magnetic forces and fields, electromagnetic induction, DC and AC circuits, EM-waves, light, and optics. Spring. IAI EGR 912; MTH 921. Prerequisite: PHYS 211 and credit or co-registration in MATH-211 or Math 221. 4 semester hours. Physical Science Core Elective. Typically offered Spring Term.

PHYS 213 Modern Physics. An introduction to the fundamental concepts of modern physics and quantum mechanics for science and engineering students. Subjects include relativistic mechanics, electromagnetic waves, wave-particle duality, wave mechanics, atomic structure, band theory, and properties of nuclei. Fall. IAI EGR 914. Prerequisite: PHYS 118 or PHYS 212 and credit or co-registration in MATH 212. 3 semester hours. Writing Intensive Course. Typically offered Fall Term.

PHYS 220 Analytical Mechanics. This course presents an intermediate treatment of Newton's law in various coordinate systems, projectile motion including air resistance, momentum, angular momentum, energy and conservative forces, driven and damped oscillators, LaGrange's equations, two-body central force problems, mechanics in non-inertial frames, rotational motion of rigid bodies, and coupled oscillators. The course introduces vector calculus, differential equations, complex numbers, Taylor series, and matrices in the solutions to problems. Fall. IAI EGR 942. Prerequisites - PHYS 211 and credit or co-registration in MATH 211. 3 semester hours. Typically offered Fall Term.



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PHYS 264 Electronics. An integrated laboratory and lecture course designed to cover the basic principles of modern electronics. Topics include AC and DC circuits, linear and non-linear devices, power supplies, operational amplifiers, and logic circuits. Lecture and laboratory work are integrated allowing the students to test the theory through projects that the students design and build. Spring. Pre-Requisite: Phys 118 or 212 or consent of the Instructor. Cross listed with PHYS 264. 3 semester hours.

PHYS 291 Selected Topics. Current topics in physics or biophysics. Periodically. Prerequisite: Dependent upon topic. 3 semester hours. Typically offered Periodically.

PHYS 296 Physics Teaching. Teaching assistant. Offered each semester and summer. 1-2 semester hours. Typically offered Fall, Spring, and Summer Terms. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PHYS 300 Instrumentation Lab. Class at IIT. 3 semester hours. Typically offered Offered at IIT. *Consent Required.*

PHYS 304 Nuclear Science. Origins and nature of nuclear and atomic radiation, interaction of radiation with matter, radiation detectors, detection systems, and radiation safety. Lecture and laboratory. Intended for any qualified sciences student. Periodically. Prerequisite: Consent of instructor. 2 semester hours. Typically offered Periodically. *Consent Required.*

PHYS 313 Classical Thermodynamics. Properties of gases, relating heat and work, concepts of enthalpy and entropy, heat engines, mixtures, and phase changes. Fall. Prerequisite: CHEM 123, PHYS 118 or 212, and Math 212. Cross listed with CHEM / PHYS 313. 3 semester hours. Typically offered Fall Term.

PHYS 314 Physical Chemistry I Laboratory. Applies principles discussed in CHEM 313. Fall. Prerequisite: Registration or credit in CHEM 313. 1 semester hour. Writing Intensive Course. Typically offered Fall Term.

PHYS 315 Quantum and Statistical Mechanics. Failures of classical physics, development of quantum theory, atomic structure and spectra, statistical mechanics, and statistical thermodynamics. Spring. Prerequisites: PHYS 313 and credit/co-registration in Math 260 or 300. Cross listed with CHEM / PHYS 315. 3 semester hours. Typically offered Spring Term.

PHYS 316 Physical Chemistry II Laboratory. Applies principles discussed in CHEM 315. Spring. Prerequisite: Credit or co-registration in CHEM / PHYS 315. Cross listed with CHEM / PHYS 316. 1 semester hour. Writing Intensive Course. Typically offered Spring Term.

PHYS 323 Biophysics. A calculus-based introduction to biophysical concepts and computational methods for science majors using Excel. The course is an integrated lecture and computer lab experience. Topics covered include membrane transport, equilibrium and the Nernst potential, properties of random walks and diffusion, and an introduction to molecular dynamics methods. (Students cannot earn credit in both BIOL/CHEM/PHYS 323 and BIOL 310). Prerequisites: CHEM 123, PHYS 118 or 212, MATH 211 or 221. Spring. Cross listed with BIOL/CHEM/PHYS 323. 4 semester hours. Typically offered Spring Term.



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PHYS 340 Electricity and Magnetism I. Theoretical study of classical electrostatics and electrodynamics. Topics include vector calculus of the electromagnetic field, electric field and potential, conductors, Laplace equations, boundary value problems, multipoles, polarization, dielectrics, magnetostatics, divergence and curl of the magnetic field, magnetization, Ampere's law, electrodynamics, electromagnetic induction, and Maxwell's equations. Periodically. Prerequisites: PHYS 118 or PHYS 212 and MATH 260. 3 semester hours.

PHYS 357 Molecular Dynamics and Kinetics. Electric properties of molecules, molecular interaction, molecular motion, chemical kinetics, molecular reaction dynamics. Periodically. Credit or co-registration in PHYS 315. 3 semester hours. Typically offered Periodically.

PHYS 374 Experimental Modern Physics. A laboratory course designed to cover methods and topics in experimental physics for advanced science students. The course allows students to gain hands-on experience investigating topics that can include chemical physics, bio-physics, sensors, modern physics, optics, electronics, and other advanced concepts with the goal of improving the connection between experimental results and theory. The experiments that will be covered in the course will vary from term to term depending on the interests of the students. Periodically. Prerequisites-PHYS 207 and 213 or consent of instructor. 2 semester hours. *Consent Required.*

PHYS 390 Selected Topics in Physics. Lecture course covering topics with which the student has not become acquainted in formal course work. May be an extension of or supplement to material previously encountered or material from a completely new area. Periodically. Prerequisite: PHYS 213 and MATH 260, and consent of instructor. 3 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PHYS 393 Internship. Practical experience in physics or related career areas under the supervision of the Physics Program. Prerequisite: Consent of faculty coordinator. 1-3 semester hours. *Consent Required.*

PHYS 395 Independent Study. Designed to encourage desire in superior students to continue the study of physics beyond the scope of undergraduate course offerings through guided independent study. Periodically. Prerequisite: Consent of instructor. 2 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PHYS 398 Research. Original research in physics or biophysics conducted under the supervision of a faculty or adjunct faculty member. Periodically. Prerequisite: consent of instructor. 1-3 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

Political Science

PLSC 100 Principles of Politics. Analyzes the political process and institutions in the United States and foreign nations. IAI S5 903. 3 semester hours. Political Science Core Elect.

PLSC 101 Global Affairs. This course explores some of the major issues in contemporary world politics. The end of the Cold War and the demise of the bipolar superpower relationship has reverberated across all issues in international affairs. We will consider such international issues as military security, ethnicity and nationalism, the international economy, the environment, and regional issues. Each week's readings presents an overview of the topic for that week, discussing the changing nature and relevance of the issue in light of the momentous changes taking place in the "world order." The final week will explore the role of the US in this changing world. IAI S5 904N. 3 semester hours. Political Science Core Elect.



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PLSC 102 American Government. Satisfies both the U.S. and IL., Constitution requirements for teacher certification. IAI S5 900. Political Science majors and minors should take PLSC 103, Introduction to the American Political System. Credit will not be granted for both PLSC 102 and PLSC 103. 3 semester hours. Political Science Core Elect.

PLSC 103 Introduction to the American Political System. Introduces students to the American political system: its foundations, institutions, political processes, and policy areas. Special focus on the role of citizens in America - how one can participate, when participation can make a difference and how one can even begin a career in government service. Course intended for Political Science majors and minors. Credit will not be granted for both PLSC 102 and PLSC 103. 3 semester hours.

PLSC 105 Law and Politics. An analysis of law, justice, rights, court procedures, and legislation. The development of various concepts of law and individual and group rights. Credit will not be granted for both PLSC 105 and PLSC 205. 3 semester hours. Political Science Core Elect.

PLSC 128 Proseminar in Politics. Proseminar led by Distinguished Fellow Jim Ryan. Topics change every semester. 1 semester hour. *Course Repeatable. Maximum number of units allowed 9.*

PLSC 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: "C" or better in MATH 105 or MATH 110. 3 semester hours.

PLSC 201 State and Local Government. The inter-relationships between national, state, county, and local governments. (Satisfies the Illinois Constitution requirement for teacher certification.) IAI S5 902. 3 semester hours.

PLSC 205 Judicial Process. An introductory course, required for all majors and minors, designed to provide an in-depth understanding of the judicial process in the US. Credit will not be granted for both PLSC 105 and PLSC 205. 3 semester hours.

PLSC 210 Introduction to International Relations. Analysis of the processes of interaction among nations and groups of nations within the international political system. IAI S5 904N. 3 semester hours. Political Science Core Elect.

PLSC 213 American Foreign Policy. This course offers an overview of recent American Foreign policy and concentrates on both international and domestic pressures placed on foreign policy leaders. Students will participate in decision situations and debate policy options. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 215 Model United Nations. The use of simulation techniques to develop an understanding of the processes and operations of the United Nations. The course culminates with the students participating in the National Model United Nations. 3 semester hours. Political Science Core Elect. *Course Repeatable. Maximum number of units allowed 45.*



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PLSC 216 Genocide: The Politics of Hate, Fear, Terror and Power. This is a survey course on genocide, one of the most controversial and deadly concepts in all of contemporary politics. We will learn how hate, fear, terror and power have repeatedly converged to produce the most deadly crime humanity has yet conceived. Genocide -- against Armenians in Turkey, The Holocaust, Cambodia's Killing Fields, Bosnia-Herzegovina, Rwanda, Kosovo, and Darfur -- has been a repeated policy used by murderous regimes of many types over the last 100 years. We will study these cases, and the general concept of genocide, in the context of basic themes from the Political Science fields of international relations, comparative politics, and foreign policy studies. No pre-existing knowledge of or exposure to any of these areas is assumed or necessary. Pre-requisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 217 Revolutions and Political Violence. Analyzes theories of revolution and studies a variety of 20th century revolutions. Also considers concepts of terrorism, guerilla warfare and nonviolent revolution. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 218 Nationalism and Terrorism. This course applies theoretical and analytical tools from the fields of International Relations and Comparative Politics in an attempt to understand the two most serious threats of global security in the post-Cold War world - nationalism and terrorism. Most of the death due to political violence in recent years has been directly or indirectly linked to nationalist movements of terrorist methods. It is critical that citizens in democratic states be informed on these matters, to understand what they are and are not, in order to be responsible citizens. Periodically. PLSC 103, 105, 205, or 210. 3 semester hours. Typically offered Periodically.

PLSC 219 International Political Economy. Examines the politics of international economics and, to a lesser extent, the economic determinants of international politics. Every other year. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 220 Comparative Politics. Concerned with identification of political trends and empirical generalizations of selected political systems. IAI S5 905. 3 semester hours.

PLSC 222 Russian Politics in Comparative Perspective. Analyzes the politics, economics, and social changes of post-communist states, comparing Russia's post-communist experience with that of other states in the Former Soviet Union and Eastern Europe. The fundamental focus of all discussions and readings is on the requirements of and obstacles to the creation of a democratic political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 224 Democracy & Democratization. Examines the theory and practice of democracy around the world, and the question of "transitions to democracy" through analysis of the problems of creating a democratic political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 230 US Constitutional Law I. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 231 Constitutional Law II. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.



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PLSC 236 Women in the Law. This course introduces students to basic concepts in the history and development of feminist thought while applying the knowledge to actual cases and legal situations affecting women. By examining the various controversies and problems that pervade this aspect of politics, students will achieve a greater awareness of how the American legal system helps to shape issues relating to gender. Spring, even years. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours. Typically offered Spring Term, Even Years.

PLSC 237 Mock Trial. An overview of the mechanics of courtroom procedure. Usually taught in conjunction with the mock trial competition. May be repeated for credit. Fall and Spring. 3 semester hours. Typically offered Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 99.*

PLSC 240 CCL Public Service Fellow. Public Service Fellows register for this course as part of their requirements as a Fellow. Requirements variable, as determined by the CCL Director and communicated to Fellows upon their nomination. Instructor consent. Typically offered Fall and Spring Terms. *Consent Required.*

PLSC 241 Presidential and Congressional Politics. Study of the American presidency; the background, powers and relations with the other components of the political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 242 Congress & Legislative Process. Concentrates on the whole spectrum of the legislative process in the United States. Features simulation of the US House. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 243 American Political Thought. Analyzes major American political theorists and the effects their thoughts have had on structuring our governmental institutions and shaping the political values and behavior of Americans. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 244 Democratic Citizenship. This is a seminar in which students will discuss and analyze the rights and responsibilities of citizenship and the importance and relevance of polities, government, and public policy. The course includes a service learning component. 3 semester hours.

PLSC 245 Campaigns, Elections and Political Behavior. An analysis of individual and group political behavior within the context of the U.S. election system. Emphasis is placed on the nature of campaigns and the impact of elections on government. Class features student projects on campaign tactics and strategy. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 247 Politics and Religion in the United States and beyond. In this course we will examine the intersection of religion and politics from both a domestic and comparative perspective, including contemporary debates about political identities, secularization, modernization, culture, conflict and collaboration. Religious institutions will be evaluated as potential vehicles for citizen discourse and mobilization; we will also assess the broader impact of religion in the public square. Emphasis will be on domestic American politics, but many of these phenomena will also be considered from a comparative perspective. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 248 American Politics: Pressure Groups and Parties. The role of pressure groups and political parties and their impact upon the American political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.



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PLSC 251 Introduction to Public Policy. This course serves as an introduction to the policy-making process, covering the various institutions, actors, and procedures involved in getting an idea for solving a policy problem adopted into law and implemented. The themes discussed may be relevant at the local, state, or national levels, and may include, but not limited to, such matters as health, education, environmental, and fiscal policy issues. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 255 Environmental Politics. The politics of environmental protection and regulation in the United States and selected other states. Prerequisite: PLSC 103, 105, 205, or 210, or Environmental Science Major. 3 semester hours.

PLSC 260 Politics and Film. A study of political themes as they appear in film and the use of film for political purposes. Specific topics vary. Periodically. 3 semester hours. Typically offered Periodically.

PLSC 291 Topics. A study of selected matter in the discipline of political science. Recent topics have included Politics of Western Europe, Politics of Soviet Union. Prospective topics may include Politics on Latin America, Politics of Southeast Asia, Politics of Sub-Sahara Africa, and Feminist Politics. Prerequisite: PLSC 103, 105, 205, or 210. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*

PLSC 295 Independent Study. Course work in political science in which the student in cooperation with one of the faculty members, designs the course in some area of political science of interest to the student. 3 semester hours. *Consent Required.*

PLSC 296 Elections and Civic Responsibility. This seminar will examine the critical role citizens play in American constitutional democracy. Emphasis will be on state and federal elections in Illinois and the importance of voting rights and political participation. Students will be familiarized with Illinois election laws, voter registration requirements and the supervision of elections by state and local authorities. Guest speakers will include representatives from the DuPage Election Commission, who will outline the legal qualifications for becoming a qualified election judge and the Commission's role in guaranteeing the integrity of the electoral process.

As a central requirement, of the course, students will complete the certification process to become election judges and will serve in that capacity on Election Day. Additional component: Certification to become an election judge and working a precinct on election day. 1 semester hour.

PLSC 297 Internship. Federal, state, and local government institutions in the area serviced by the university offer opportunities for interested students to gain practical experience in governmental offices. Prerequisite: Junior or senior standing. 3 semester hours.

PLSC 299 Research Methods in Political Science. An analysis of the various theoretical approaches to the study of social sciences as well as discussion and completion of a scientific research design. Prerequisite: Senior Standing; a grade of "C" or better in PLSC 103, 201, 210, and 105 or 205; a grade of "C" or better in a least one 300 level PLSC elective. 3 semester hours.

PLSC 313 American Foreign Policy. This course offers an overview of recent American Foreign policy and concentrates on both international and domestic pressures placed on foreign policy leaders. Students will participate in decision situations and debate policy options. Prerequisite: PLSC 103. 3 semester hours.



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PLSC 316 Genocide: The Politics of Hate, Fear, Terror and Power. This is a survey course on genocide, one of the most controversial and deadly concepts in all of contemporary politics. We will learn how hate, fear, terror and power have repeatedly converged to produce the most deadly crime humanity has yet conceived. Genocide -- against Armenians in Turkey, The Holocaust, Cambodia's Killing Fields, Bosnia-Herzegovina, Rwanda, Kosovo, and Darfur -- has been a repeated policy used by murderous regimes of many types over the last 100 years. We will study these cases, and the general concept of genocide, in the context of basic themes from the Political Science fields of international relations, comparative politics, and foreign policy studies. No pre-existing knowledge of or exposure to any of these areas is assumed or necessary. Pre-requisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 317 Revolutions and Political Violence. Analyzes theories of revolution and studies a variety of 20th century revolutions. Also considers concepts of terrorism, guerilla warfare and nonviolent revolution. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

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PLSC 319 International Political Economy. Examines the politics of international economics and, to a lesser extent, the economic determinants of international politics. Every other year. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 322 Russian Politics in Comparative Perspective. Analyzes the politics, economics, and social changes of post-communist states, comparing Russia's post-communist experience with that of other states in the Former Soviet Union and Eastern Europe. The fundamental focus of all discussions and readings is on the requirements of and obstacles to the creation of a democratic political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

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PLSC 336 Women in the Law. This course introduces students to basic concepts in the history and development of feminist thought while applying the knowledge to actual cases and legal situations affecting women. By examining the various controversies and problems that pervade this aspect of politics, students will achieve a greater awareness of how the American legal system helps to shape issues relating to gender. Spring, even years. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours. Typically offered Spring Term, Even Years.



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PLSC 341 Presidential and Congressional Politics. Study of the American presidency: the background, powers, and relations with the other components of the political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 342 Congress and the Legislative Process. Concentrates on the whole spectrum of the legislative process in the United States. Features simulation of the US House. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 343 American Political Thought. Analyzes major American political theorists and the effects their thoughts have had on structuring our governmental institutions and shaping the political values and behavior of Americans. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 344 Democratic Citizenship. This is a seminar in which students will discuss and analyze the rights and responsibilities of citizenship and the importance and relevance of politics, government, and public policy. The course includes a service learning component. 3 semester hours.

PLSC 345 Campaigns, Elections and Political Behavior. An analysis of individual and group political behavior within the context of the US election system. Emphasis is placed on the nature of campaigns and the impact of elections on government. Class features student projects on campaign tactics and strategy. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 347 Politics and Religion in the United States and beyond. In this course we will examine the intersection of religion and politics from both a domestic and comparative perspective, including contemporary debates about political identities, secularization, modernization, culture, conflict and collaboration. Religious institutions will be evaluated as potential vehicles for citizen discourse and mobilization; we will also assess the broader impact of religion in the public square. Emphasis will be on domestic American politics, but many of these phenomena will also be considered from a comparative perspective. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 348 American Politics: Pressure Groups and Parties. The role of pressure groups and political parties and their impact upon the American political system. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 351 Introduction to Public Policy. This course serves as an introduction to the policy-making process, covering the various institutions, actors, and procedures involved in getting an idea for solving a policy problem adopted into law and implemented. The themes discussed may be relevant at the local, state, or national levels, and may include, but not limited to, such matters as health, education, environmental, and fiscal policy issues. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours.

PLSC 354 Seminar on International Theories. An advanced study of the main and latest theories and issues in international relations. 3 semester hours.

PLSC 355 Environmental Politics. The politics of environmental protection and regulation in the United States and selected other states. Prerequisite: PLSC 103, 105, 205, or 210, or Environmental Science Major. 3 semester hours.

PLSC 391 Topics. A study of selected matter in the discipline of political science. Recent topics have included Politics of Western Europe, Politics of Soviet Union. Prospective topics may include Politics of Latin America, Politics of Southeast Asia, Politics of Sub-Saharan Africa, US-Asian Relations, Politics of Policy change in America. Prerequisite: PLSC 103, 105, 205, or 210. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*



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PLSC 392 Political Leadership. Intensive study of the principles and practice of the politics of leadership including hands-on leadership experiences in conjunction with the professor. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.*

PLSC 395 Independent Study. Course work in political science in which the student in cooperation with one of the faculty members, designs the course in some area of political science of interest to the student. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PLSC 397 Internship. Federal, state, and local government institutions in the area serviced by the university offer opportunities for interested students to gain practical experience in governmental offices. Prerequisite: Junior or senior standing. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 3.*

PLSC 399 Thesis Research and Writing. Continuation of PLSC-299. Systematic integration of political theory and research. Preparation and completion of an independent undergraduate thesis. Prerequisite: PLSC 299. 3 semester hours. Writing Intensive Course. *Consent Required.*

Psychology

PSYC 100 Survey of Psychology. Overview of the field; principles and general methodology; concepts, theories and research, applicability to modern living. Each semester. IAI S6 900. 3 semester hours. Psychology Core Elective.

PSYC 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: "C" or better in MATH 105 or MATH 110. 3 semester hours.

PSYC 195 Research Practicum. Participation in ongoing departmental research. Each semester. Prerequisite: Consent of department chair required. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

PSYC 200 Childhood and Adolescence. Behavioral and social analysis of human development from birth through adolescence. Annually. IAI S6 904. Prerequisite: PSYC 100 3 semester hours.

PSYC 202 Adulthood and Aging. Biopsychological, psychosexual and social cognitive development from young adulthood through aging, to dying and death. IAI S6 905. Annually. Prerequisite: PSYC 100 3 semester hours.

PSYC 204 Survey of Exceptional Children. Discussion of atypical development: characteristics of persons labeled as having mental retardation, learning disabilities, behavioral disabilities, sensory deficits, speech disorders and health/physical challenges. Diagnosis, referral, educational strategies and legal implications are reviewed. Each semester. Cross referenced with PSYC 204. IAI ECE 913; IAI SED 904. 3 semester hours.

PSYC 210 Social Psychology. How social influences affect the individual and group. Attitudes, attribution and prejudice. Each semester. IAI S8 900. PSYC 210 and SOCL 210 are cross-listed. 3 semester hours. Psychology/Sociology Core Elec. Typically offered Fall and Spring Terms.



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PSYC 220 Personality. Theories of personality; process and analysis of personality development and adjustment and discussion of the influence of theories on the practice of psychotherapy. Fall. Prerequisite: PSYC 100. 3 semester hours. Typically offered Fall Term.

PSYC 241 Educational Psychology. Survey of theories of classroom learning processes including human growth and development, evaluation, the exceptional child and the disadvantaged child. Emphasis also on the developmental characteristics and nature and needs of the early adolescent. Cross-referenced with PSYC 241. Each semester. IAI SED 902. 3 semester hours. Typically offered Fall, Spring, and Summer Terms.

PSYC 245 Alcohol Problems and Alcoholism. Introductory course regarding the effects of alcoholism on the individual, family and society. Examines concerns related to the identification, treatment and prevention of alcoholism in the United States. Annually. 3 semester hours.

PSYC 250 Basic and Applied Statistics. Acquaints students with descriptive statistical techniques (including measures of central tendency and variability, correlation, regression and large and small sample estimation) as well as inferential statistical procedures (t, z and ANOVA designs, nonparametric tests and multiple regression). Focus will be on how these statistical procedures can be directly applied to real-life situations. Prerequisite: MATH 105, MATH 108 or Math 110. 3 semester hours. Typically offered Annually.

PSYC 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours.

PSYC 252 Research Practicum. Goal of the course is to develop the student's research skills in a particular field (Psychology, Sociology or Criminal Justice) by involving him/her in an actual research project under the direction of a faculty member. Students will meet with the instructor on a regular basis and will write both a preliminary proposal and final paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypothesis, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate. Pre-requisite: Successful completion of basic skills courses and instructor consent. Offered each term. 3 semester hours. Typically offered Fall, Spring, and Summer Terms. *Consent Required.*

PSYC 291 Selected Topics. Relevant to the needs and interests of the psychology major. Periodically. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

PSYC 292 Psychology of Horror Films. Carl Jung's archetypal theory will be applied to horror films (from silent to contemporary) to better understand why people are drawn to this genre. Summer. Prerequisite: PSYC 100. 3 semester hours. Typically offered Summer Term.

PSYC 298 Research Methods. Completion of the first part of an original research design. Pre-requisite: PSYC 250 and admission into the Adult BA in Organizational Leadership Program. 3 semester hours.

PSYC 300 Abnormal Psychology. Dynamics of personality disorders, etiology, diagnosis, treatment and prognosis in neurotic and psychotic behavioral disorders. Discussion of case studies. Each semester. Prerequisite: PSYC 100 and Junior/Senior status. 3 semester hours.



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PSYC 302 Psychotherapy. Survey of theories and techniques of individual and group psychotherapies. Concepts and methods of evaluating therapeutic interventions. Fall. Prerequisite: PSYC 300. 3 semester hours. Typically offered Fall Term.

PSYC 310 Social, Psychological, and Cultural Aspects of Aging. This course examines various psychological and sociological aspects which impact the aging process. An analysis of the individual and society, changes in social roles and status, intergenerational relationships, sociocultural differences, and intrapsychic dynamics will be explored. 3 semester hours. Psychology Core Elective.

PSYC 314 Learning and Cognition. Lecture course on principles, theories, concepts and experimental literature in learning and cognition, with emphasis on human learning in educational settings. Periodically. Pre-req: PSYC 100, PSYC 251. 3 semester hours. Typically offered Periodically.

PSYC 315 Learning and Cognition Lab. Utilizes a series of computer simulation / experimental techniques to illustrate recall difference in attention, learning and memory. Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 314. 1 semester hour.

PSYC 316 Sensation and Perception. Lecture analysis of the role of the senses in appreciating the external world; mechanisms of sensation and perception; introduction to psychophysical measurement of thresholds and signal detection theory. Periodically. Prerequisite: PSYC 100, PSYC 251. 3 semester hours. Typically offered Periodically.

PSYC 317 Sensation and Perception Lab. Utilizes a series of computer simulation / experimental techniques to illustrate how we perceive information as a function of the senses, threshold detection and other measures are employed. Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 316. 1 semester hour.

PSYC 318 Physiological Psychology. Lecture relating neurophysiological correlates of human and animal behavior, emphasizing motivation, emotion, learning and memory processes. Annually. Prerequisite: PSYC 100 and Junior or Senior standing. 3 semester hours.

PSYC 319 Physiological Psychology Lab. Utilizes a series of computer simulation / experimental techniques to illustrate important physiological mechanisms (e.g., visual and auditory processing). Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 318. 1 semester hour.

PSYC 320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. Each semester. 3 semester hours. Typically offered Fall, Spring, and Summer Terms.

PSYC 350 Systems and Theories. Historical antecedents of modern psychology; current theoretical systems. Spring. Prerequisite: Junior, senior in PSYC/SOCL program. 3 semester hours. Typically offered Spring Term.

PSYC 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive Course. Typically offered Fall and Spring Terms.



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PSYC 354 Behavior Modification/Lab. Focuses on basic behavioral principles and procedures. Emphasis is on the use of non-aversive techniques and applications with special needs populations. Requires lab work off campus. Annually. Prerequisite: Junior, senior in PSYC/SOCL program. 4 semester hours.

PSYC 356 Clinical Practicum/Lab. Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Each semester. Prerequisite: Junior or Senior in PSYC/SOCL program. 4 semester hours. Typically offered Fall and Spring Terms.

PSYC 358 Group Dynamics Lab. A process-experimental course in how to conduct training in interpersonal skills and how to engage in organizational development activities. Weekend format only. Annually. 4 semester hours.

PSYC 371 Death and Dying. Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. Annually. 3 semester hours. Typically offered Annually.

PSYC 373 Group Processes. Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Annually. Prerequisite: SOCL-356 3 semester hours. Typically offered Annually.

PSYC 386 Professional Issues in Life Span Services. This course presents an overview of gerontology as a profession. Special attention is given to ethical issues. The course reviews contemporary settings in the field of aging and analyzes the status of gerontology in terms of the occupation as a human service provider. Periodically. 3 semester hours.

PSYC 389 Organizational Leadership Capstone. Completion of an original research design. Prerequisite: PSYC 299; Admission to the Adult BA in Organizational Leadership Program. Each term. 3 semester hours. Typically offered Fall and Winter Terms.

PSYC 391 Topics. Relevant topics according to the needs and interests of psychology majors. Periodically. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

PSYC 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. *Consent Required.*

PSYC 397 Psychology Field Placement. Supervised instruction in an on- or off-campus setting related to student's interest in psychology. Each semester. Prerequisite: PSYC-356, and a G.P.A. of 2.5 or better, Consent of department chair and field placement director prior to the 10th week of the semester preceding the field placement. 3-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 6.*

PSYC 398 Life Span Services Field Placement. Supervised experience in an off-campus assisted/independent living setting. Each semester. Prerequisite: SOCL-356, and a G.P.A. of 2.5 or better, consent of the program director and field placement director prior to the 10th week of the semester preceding field placement 3-6 semester hours. *Consent Required.*

PSYC 399 Independent Study. Provides opportunity for advanced majors to complete requirements of psychology course on their own. Periodically. Prerequisite: Mutual consent of instructor and program director. 3 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*



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Public Health

PUH 135 Mental Health First Aid. This course will provide students the opportunity to learn basic concepts and strategies of a mental health first-aider including the ability to identify, understand, and respond to signs of mental illnesses and substance use disorders. 1 semester hour. Typically offered Spring Term.

Radiation Therapy

RADT 330 Introduction to Technical Radiation Oncology. Technical provides the student therapist with the technical aspects of radiation therapy. Discussion will include orientation to the function and operation of radiation therapy equipment. 2 semester hours.

RADT 331 Principles and Practice of Radiation Therapy I. Content is designed to provide an overview of cancer and the specialty of radiation therapy. The medical, biological, and pathological aspect as well as the physical and technical aspects will be discussed. The roles and responsibilities of the radiation therapist, the treatment prescription, the documentation of treatment parameters and delivery will also be discussed. 3 semester hours.

RADT 332 Pathology. The course content is presented in two parts: general pathology and neoplasia. General pathology introduces basic disease concepts, theories of disease causation and system-by-system pathophysiologic disorders most frequently encountered in clinical practice. Neoplasia provides an in-depth study of new and abnormal development of cells. The processes involved in the development and classification of both benign and malignant tumors and site-specific information on malignant tumors is presented. The sectional anatomy content is designed to study normal sectional anatomy via diagrams and radiologic images. 2 semester hours.

RADT 333 Radiation Physics. Content is designed to establish a basic knowledge of physics pertinent to developing an understanding of radiations used in the clinical setting. Fundamental physical units, measurements, principles, atomic structure, and types of radiation emphasized. Also presented are the fundamentals of x-ray generating equipment, x-ray production, and its interaction with matter. 2 semester hours.

RADT 334 Clinical Practicum I. Content is designed to provide sequential development, application, analysis, integration, synthesis, and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development shall be discussed, examined, and evaluated. This includes supervised clinical education, which offers a sufficient and well-balanced variety of radiation treatments, examinations, and equipment. Various rotations include: three general radiation therapy treatment rooms, Simulator/CT simulator, Nursing Department, and Physics/Dosimetry Department. 3 semester hours.

RADT 335 Medical Imaging. Content is designed to establish a knowledge base in factors that govern and influence the production and recording of radiographic images for patient simulation, treatment planning, and treatment verification in radiation oncology. Radiation oncology imaging equipment and related devices will be emphasized. Procedure for imaging human structure and their relevance to radiation therapy; topographical anatomy, radiographic and cross sectional anatomy. Identification of anatomic structures as demonstrated through various imaging modalities. 2 semester hours.



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RADT 336 Introduction to Radiologic Sciences. Content is designed to provide students with an overview of the foundations, concepts, history and theories in radiation therapy and the practitioner's role in the health care delivery system. The interrelatedness of standards of care, law, ethical standards and competence will be examined. Radiation Therapy patient care content will provide the student with concepts and competencies in assessment and evaluation of the patient for service delivery. Psychological and physical needs and factors affecting treatment outcome will be presented and examined. Routine and emergency care procedures will be presented. 2 semester hours.

RADT 337 Radiation Safety and Protection. Content is designed to present basic principles of radiation protection and safety for the radiation therapist. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies, and health care organizations are incorporated. Specific responsibilities of the radiation therapist are discussed, examined, performed and evaluated. 2 semester hours.

RADT 338 Principles and Practice of Radiation Therapy II. Content is designed to examine and evaluate the management of neoplastic disease using knowledge in arts and sciences, while promoting critical thinking and the basics of ethical decision making. The epidemiology, etiology, detection, diagnosis, patient condition, treatment, and prognosis of neoplastic disease will be presented, discussed, and evaluated in relationship to histology, anatomical site, and patterns of spread. The radiation therapist's responsibility in the management of neoplastic disease will be examined and linked to the skills required to analyze complex issues and make informed decisions while appreciating the character of the profession. 3 semester hours.

RADT 339 Technical Radiation Oncology II. Technical provides the student therapist with the technical aspects of radiation therapy. Discussion will include modalities of treatment and the distinctive properties of each patient setup consideration. This will also include basic hand calculations. 2 semester hours. *Consent Required.*

RADT 340 Radiation Therapy Physics. Content is designed to review and expand concepts and theories in the radiation physics course. Detailed analysis of the structure of matter, properties of radiation, nuclear transformations, x-ray production, and interactions of ionizing radiation are emphasized. Also presented are treatment units used in external radiation therapy, measurement and quality of ionizing radiation produced, absorbed dose measurement, dose distribution, and scatter analysis.

Content is designed to establish factors that influence and govern clinical planning of patient treatment. Encompassed are isodose descriptions, patient contouring, radiobiologic considerations, dosimetric calculations, compensation, and clinical application of treatment beams. Optimal treatment planning is emphasized along with particle beams. 2 semester hours.

RADT 341 Quality Management. Content is designed to focus on the evolution of quality management (QM) programs and continuing quality improvement in radiation oncology. Topics will include the need for the various types of evaluations and tests performed on simulators, megavoltage therapy equipment, and therapy planning units; the role of radiation therapists in quality management programs; legal and regulatory implications for maintaining appropriate guidelines as well as the role computers and information systems serve within the radiation oncology department. 2 semester hours.

RADT 342 Operational Issues in Radiation Therapy. Content is designed to focus on various radiation therapy operational issues. Continuing Quality Improvement project development and evaluation and assessment techniques will be emphasized. Human resource issues and regulations impacting radiation therapists will be examined. Accreditation agencies and the radiation therapist's role in the accreditation process will be emphasized. Billing and reimbursement issues pertinent to the radiation therapy department will be presented. 2 semester hours.

RADT 343 Clinical Practicum II. Continuation of Clinical Practicum I. 2 semester hours.



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RADT 344 Management and Methods of Patient II. Continuation of RADT 336 Management and Methods of Patient Care I. 2 semester hours.

RADT 345 Radiation Biology. Content is designed to present basic concepts and principles of radiation biology. The interactions of radiation with cells, tissues, and the body as a whole and resultant biophysical events will be presented. Discussion of the theories and principles of tolerance dose, time-dose relationships, fractionation schemes, and the relationship to the clinical practice of radiation therapy will be discussed, examined, and evaluated. 2 semester hours.

Religious Studies

RELS 100 Religion and Culture. An investigation of the ways in which myth, ritual, and the interpretation of scripture provides meaning and orientation for human life. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 105 New Testament Greek I. Beginners introduction to the grammar and vocabulary of the original Greek text. 3 semester hours.

RELS 106 New Testament Greek II. Continuation of RELS 105. Prerequisite: RELS 105 3 semester hours.

RELS 110 Ecclesiastical Latin I. A year-long introduction to the grammar and vocabulary needed to read the Latin of St. Jerome's Vulgate, liturgical and Medieval scholastic texts. Equivalent to 4 years of high school Latin. 3 semester hours.

RELS 111 Ecclesiastical Latin II. Continuation of RELS 110. Prerequisite: RELS 110 3 semester hours.

RELS 120 Eastern Religious Traditions. An appreciation and critical understanding of Hindu, Buddhist, and other Far Eastern religious traditions through reading primary sources and secondary, explanatory texts. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 122 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours.

RELS 130 Western Religious Traditions. An historical survey of Judaism, Christianity, and Islam. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 140 World Religions. An introduction to the religious teachings and practices of the major monotheistic and polytheistic religions of the world and their cultural impact. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.



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RELS 145 Women in the Sacred Scriptures. An exploration of the literature of the Scriptures of Jewish and Christian believers as well as the Scriptures of other world religions, specifically the literature which emphasizes women's faith or women's experience. Confronted with a host of literary role models in Sacred Scripture, women and men will have the opportunity to explore to what extent, if any, women models are worthy of emulation or assist in deepening their present Spirituality. 3 semester hours. Religious Studies Core Elect. Typically offered Fall and Spring Terms.

RELS 150 Introduction to the Bible I. A reading of selections from the Christian Bible designed to deal with the historical background, literary composition, and general content of the books of the Hebrew Bible and the New Testament. Periodically. IAI H5 901. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 151 Introduction to the Bible II. Continuation of RELS 150. Prerequisite: RELS 150. 3 semester hours.

RELS 155 New Testament. A reading of the New Testament designed to treat the historical background, literary composition, and theological meaning of the text. Periodically. IAI H5 901. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 160 Jesus Christ. Studies the images of Jesus Christ in the New Testament and the development of Christological doctrine in subsequent Christian thought. Fall, even years. 3 semester hours. Religious Studies Core Elect. Typically offered Fall Term, Even Years.

RELS 165 The Church. Investigates the apostolic origin, development, and theological understanding of the Christian community up to the present. Spring, odd years. 3 semester hours. Religious Studies Core Elect. Typically offered Spring Term, Odd Years.

RELS 170 Early Christianity. Examines the first six centuries of doctrinal developments, spiritual life and morality, relations between Christianity and other religious movements, and the church and state. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 180 The Divine Economy. A classic religious expression for bringing creation to full health is the unfolding of the drama of "divine economy" (oikonomia tou Theou), one mark of which is shared abundance. Fall, spring. 3 semester hours. Religious Studies Core Elect. Typically offered Fall and Spring Terms.

RELS 191 Selected Topics. Special topics on the introductory level. Fall and spring. A topics course may apply toward divisional core. 1-3 semester hours. Religious Studies Core Elect. Typically offered Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 99.*

RELS 220 History of Christian Thought I. This overview of the Christian intellectual tradition studies the history of reflection on Christian faith from the first through the fifteenth century, as seen in the writings of representative figures. Fall, odd years. 3 semester hours. Religious Studies Core Elect. Typically offered Fall Term, Odd Years.

RELS 221 History of Christian Thought II. This overview of the Christian intellectual tradition studies the history of reflection on Christian faith from the sixteenth century to the present, as seen in the writings of representative figures. Spring, even years. 3 semester hours. Religious Studies Core Elect. Typically offered Spring Term, Even Years.

RELS 225 Religion & Natural Sciences. 3 semester hours. Religious Studies Core Elect.



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RELS 230 Judaism. Introduction to the main beliefs and practices of Judaism and the history of the Jewish people. The Herbert Portes Scholar in Residence Course in Judaism. Spring. 3 semester hours. Religious Studies Core Elect. Typically offered Spring Term.

RELS 235 Islam. Study of the belief system, ritual, ethos and social organization of Islam, with attention to outstanding passages of the Qur'an. Co-sponsored by the Islamic Foundation of Villa Park. Fall. 3 semester hours. Relig Stud & Multi-Cultural. Typically offered Fall Term.

RELS 240 Christian Worship. A historical, cultural, and theological examination of the liturgical practices of Christians. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 250 Christian Ethics. An understanding of the distinctively Christian strategy of life based on readings of Christian scriptures and theological interpretations. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 251 Christianity in Latin America. Examines the cultural, historical and religious traditions of Latin America and the impact of social change on religious beliefs and practices in the region. 3 semester hours.

RELS 265 Eastern Christianity. History, theology, and spirituality of Eastern Orthodoxy. Periodically. 3 semester hours. Religious Studies Core Elect. Typically offered Periodically.

RELS 270 Roman Catholicism. Survey of Roman Catholic teachings, ethical principles, sacramental rituals, and structural organization. 3 semester hours.

RELS 271 19th Century Church History. Studies the European Church's reaction to the French Revolution and scientific theories and the social questions of the 19th century. Analyzes the roots of contemporary developments in the church. 3 semester hours.

RELS 272 20th Century Church History. Analyzes the impact of 19th century developments, the world wars, decolonization, intellectual trends, and Vatican II's origins and results. 3 semester hours.

RELS 275 Protestantism. Survey of the fundamental principles of Protestant teaching as rooted in the German, Swiss, and English Reformations. 3 semester hours. Religious Studies Core Elect.

RELS 285 Religion in America. Study of the prominent individuals, communities, movements, institutions and beliefs which make up the religious experience of North American people. Fall. IAI H5 905. 3 semester hours. Religious Studies Core Elect. Typically offered Fall Term.

RELS 291 Selected Topics. Special topics on the intermediate level. Fall/spring. A topics course may apply toward divisional core. Periodically. 3 semester hours. Relig Studies & Writ Intensive. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*

RELS 350 Christian Ethics. An understanding of the distinctively Christian strategy of life based on readings of Christian scriptures and theological interpretations. 3 semester hours.



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RELS 385 Religion In America. Study of the prominent individuals, communities, movements, institutions and beliefs which make up the religious experience of North American people. 3 semester hours.

RELS 391 Selected Topics. Special topics on the advanced level. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.*

Sociology

SOCL 100 Principles of Sociology. Fundamental concepts in the scientific study of human society, culture and personality, with special study of the social organization of groups and institutions. Each semester. IAI S7 900. 3 semester hours. Sociology Core Elective. Typically offered Fall and Spring Terms.

SOCL 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: "C" or better in MATH 105 or MATH 110. 3 semester hours. Typically offered Fall and Spring Terms.

SOCL 195 Research Practicum. Participation in on-going departmental research. Each semester. Prerequisite: Consent of department chair required. 1-3 semester hours. Typically offered Fall and Spring Terms. *Consent Required.*

SOCL 205 Racial and Ethnic Groups. The nature of prejudice. Studies of ethnic relations in America and other societies. Spring. IAI S7 903D. 3 semester hours. Typically offered Spring Term.

SOCL 210 Social Psychology. How social influences affect the individual and group. Attitudes, attribution and prejudice. Each semester. IAI S8 900. PSYC 210 and SOCL 210 are cross-listed. 3 semester hours. Psychology/Sociology Core Elec. Typically offered Fall and Spring Terms.

SOCL 213 Health Aspects of Aging. Focuses upon the normal aging process in American Society including biological, psychological and health aspects. Emphasis is placed on health services, health maintenance, and contemporary issues with respect to the elderly population. 3 semester hours. Life Science Core Elective.

SOCL 220 Community Studies. Examination of selected works on urban, suburban, and rural communities; their social structures, institutions, and patterns of human relationships. Human Ecology, change, and future projections. 3 semester hours.

SOCL 231 Medical Sociology. Analysis of social factors in relation to health and disease. Organization of health professions and institutions. Periodically. Prerequisite: SOCL 100. 3 semester hours. Sociology Core Elective. Typically offered Periodically.

SOCL 234 Sociology of Sport. Examines social and cultural factors affecting organized sport, including gender, race, the role of money and media coverage in athletics, and the importance of athletics to small communities. 3 semester hours.

SOCL 235 Sociology of Popular Culture. Studies the role of popular culture in communicating ideas about society, including deviance, gender, social class, and race. Examples that will be studied include films, tattoos and body piercing, and myths, legends, and popular fiction. 3 semester hours.



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SOCL 240 Social Problems. Effects of social change, disorganization and value conflict on family life, mental health, ethnic relations, crime and delinquency, related topics. Spring. IAI S7 901. Prerequisite: SOCL 100. 3 semester hours. Typically offered Spring Term.

SOCL 245 Alcohol Problems and Alcoholism. Introductory course regarding the effects of alcoholism on the individual, family and society. Examines concerns related to the identification, treatment and prevention of alcoholism in the United States. Annually. 3 semester hours.

SOCL 250 Basic and Applied Statistics. Acquaints students with descriptive statistical techniques (including measures of central tendency and variability, correlation, regression and large and small sample estimation) as well as inferential statistical procedures (t, z and ANOVA designs, nonparametric tests and multiple regression). Focus will be on how these statistical procedures can be directly applied to real-life situations. Prerequisite: MATH 105, MATH 108 or Math 110. 3 semester hours. Typically offered Annually.

SOCL 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours.

SOCL 252 Research Practicum. Goal of the course is to develop the student's research skills in a particular field (Psychology, Sociology or Criminal Justice) by involving him/her in an actual research project under the direction of a faculty member. Students will meet with the instructor on a regular basis and will write both a preliminary proposal and final paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypothesis, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate. Pre-requisite: Successful completion of basic skills courses and instructor consent. Offered each term. 3 semester hours. Typically offered Fall, Spring, and Summer Terms. *Consent Required.*

SOCL 260 Introduction to Criminal Justice. Examination of the criminal justice system: police, courts and corrections. Analysis of functions, jurisdiction, operation and relationships. Annually. IAI CRJ 901. 3 semester hours.

SOCL 265 Introduction to Social Work. Values and history that underlie social work issues; discussion of the profession of social work and its concern with human welfare areas and field of service. 3 semester hours. Typically offered Fall Term.

SOCL 270 Marriage and the Family. Family system and its changing relationships to contemporary society. Structures, value orientation and personality patterns, role and status interrelationships. Annually. IAI S7 902. Prerequisite: SOCL 100. 3 semester hours. Typically offered Annually.

SOCL 290 Social and Cultural Change. Analysis of large scale historical change, the succession of types of societies and the emergence of the contemporary world. Evolution of social institutions (the family, religion) and speculation about significant future change. Annually. 3 semester hours. Typically offered Annually.

SOCL 291 Selected Topics in Sociology. According to the interests of the sociology majors. Periodically. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*



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SOCL 301 Social Welfare Services. Survey of social work agencies. Application of social systems to public and voluntary social welfare services. Annually. Prerequisite: SOCL 265. 3 semester hours. Typically offered Annually.

SOCL 306 Correctional System. Theory and research relating to treatment, incarceration and rehabilitation of the offender. Annually. IAI CRJ 911. Prerequisite: SOCL/CJUS 260. 3 semester hours. Typically offered Annually.

SOCL 310 Social, Psychological and Cultural Aspects of Aging. This course examines social, psychological and cultural aspects that impact the aging process. An analysis of the individual and society, explorations of changes in roles and status, intergenerational relationships, sociocultural differences and intrapsychic dynamics will be explored. Fall. 3 semester hours.

SOCL 321 Crime and Delinquency. Social and psychological factors related to crime, theories of crime and delinquency, police and court systems and correctional institutions. Annually. IAI CRJ 912. Prerequisite: SOCL / CJUS 260 3 semester hours. Typically offered Annually.

SOCL 350 Social Theory. Origin and development of sociology through a study of the classic works of the 19th and 20th centuries. Fall. Prerequisite: SOCL 100 3 semester hours. Typically offered Fall Term.

SOCL 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive Course. Typically offered Fall and Spring Terms.

SOCL 356 Clinical Practicum/Lab. Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Each semester. Prerequisite: Junior or Senior in PSYC/SOCL program. 4 semester hours. Typically offered Fall and Spring Terms.

SOCL 371 Death and Dying. Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. Annually. 3 semester hours. Typically offered Annually.

SOCL 386 Professional Issues in Life Span Services. This course presents an overview of gerontology as a profession. Special attention is given to ethical issues. The course reviews contemporary settings in the field of aging and analyzes the status of gerontology in terms of the occupation as a human service provider. Periodically. 3 semester hours.

SOCL 390 Criminal Justice Field Placement. Observation and participation in the daily work of a criminal justice agency. Each semester. Prerequisite: PSYC 356 or SOCL 356, consent of program director and field placement director prior to the 10th week of the semester preceding the field placement, and a G.P.A. of 2.5 or better. 3-6 semester hours. Typically offered Fall and Spring Terms. *Consent Required.*

SOCL 391 Topics in Sociology. Relevant topics according to the needs and interests of the criminal justice students. Periodically. Prerequisite: SOCL 100. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*



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SOCL 392 Social Work Field Placement. This internship provides experience in practice in a professional agency under the supervision of a trained practitioner. Each semester. Prerequisite: SOCL 356, Consent of the program director and field placement director prior to the 10th week of the semester preceding the field placement, and G.P.A. of 2.5 or better. 3-6 semester hours. Typically offered Fall and Spring Terms. *Consent Required.*

SOCL 394 Group Processes. Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Annually. Prerequisite: SOCL-356 3 semester hours. Typically offered Annually.

SOCL 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. *Consent Required.*

SOCL 397 Sociology Field Placement. Supervised experience in an on- or off-campus setting related to the student's interest in sociology. Each semester. Prerequisite: SOCL 356, Consent of the program director and field placement director prior to the 10th week of the semester preceding the field placement, and G.P.A. of 2.5 or better. 3-6 semester hours. *Consent Required.*

SOCL 398 Life Span Services Field Placement. Supervised experience in an off-campus assisted/independent living setting. Each semester. Prerequisite: SOCL-356, and a G.P.A. of 2.5 or better, consent of the program director and field placement director prior to the 10th week of the semester preceding field placement 3-6 semester hours. *Consent Required.*

SOCL 399 Independent Study. Provides opportunity for advanced majors to complete requirements of sociology course on their own. Periodically. Prerequisites: Mutual consent of instructor and department chair. 3 semester hours. Typically offered Periodically. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

Spanish

SPAN 101 Elementary Spanish I. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Fall and Spring. 3 semester hours. Typically offered Fall and Spring Terms.

SPAN 102 Elementary Spanish II. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Fall and spring. 3 semester hours. Typically offered Fall and Spring Terms.

SPAN 201 Intermediate Spanish I. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable students to continue to develop their oral and written proficiency. Fall. Prerequisite: SPAN 102 3 semester hours. Typically offered Fall Term.

SPAN 202 Intermediate Spanish II. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable student to continue to develop their oral and written proficiency. Fall and spring. IAI H1 900. Prerequisite: SPAN 201 or placement. 3 semester hours. Typically offered Fall and Spring Terms.



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SPAN 211 Intermediate Grammar and Composition. Comprehensive review and synthesis of Spanish grammar. Designed to provide students with extensive writing practice in order to prepare them for more effective participation in advanced courses, and to enable them to improve their ability to use and manipulate the language with a higher degree of accuracy, flexibility, and assurance. It is highly recommended that it be taken simultaneously with SPAN 212. Fall and spring. Prerequisite: SPAN 202. 3 semester hours. Writing Intensive Course. Typically offered Fall and Spring Terms. *Consent Required.*

SPAN 212 Intermediate Oral Communications. Emphasis on oral proficiency, syntax, and grammar, as well as helping students to develop their ability to respond to the cultural challenges that face someone living in an Hispanic culture. Fall and spring. Prerequisite: SPAN 211 or concurrent registration in SPAN 211. 3 semester hours. Typically offered Fall and Spring Terms. *Consent Required.*

SPAN 213 Business Spanish I. Survey of the fundamental concepts of commercial language. Designed to help students improve their oral and written proficiency and cultural sensitivity while developing a vocabulary for business functions. Periodically. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Typically offered Periodically. *Consent Required.*

SPAN 214 Business Spanish II. Survey of the fundamental concepts of commercial language. Designed to help students improve their oral and written proficiency and cultural sensitivity while developing a vocabulary for business functions. Periodically. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Typically offered Periodically. *Consent Required.*

SPAN 220 Introduction to Spanish Literature. Close reading of selected Spanish short stories, poetry, drama and essays. Analysis of how they reflect and influence the thinking of their times and the relevance of their ideas to the contemporary world. This course is designed to help students improve skills in written and oral narration and description, and reading proficiency. Fall, even years. IAI H3 916. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Literature Core Elective. Typically offered Fall Term, Even Years. *Consent Required.*

SPAN 221 Introduction to Contemporary Latin American Literature. Close reading of selected works of Latin American literature including poetry, the novel, drama, and the short story. Students will be exposed to the lives of the authors and their times, as well as the critical role of literature in Latin American social and political development. Emphasis on enabling students to develop skills in written and oral narration and description, and reading proficiency. Fall, odd years. IAI H3 916. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Literature Core Elective. Typically offered Fall Term, Odd Years. *Consent Required.*

SPAN 230 Elements of Spanish Civilization & Culture. Designed to allow students to work on development of language proficiency through class discussion and selected readings concerned with key elements in Spanish civilization: the family, church, governmental, and social relations, and how these factors have shaped the artistic, literary, and historic experience of Spanish and Spanish American people. Spring, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Typically offered Spring Term, Even Years. *Consent Required.*

SPAN 231 Elements of Latin American Culture. Designed to allow students to work on development of language proficiency through class discussion and selected readings concerned with key elements in Latin American civilization: the family, the church, social, and political movements, and how these factors have shaped the artistic, literary, and historic experience of Latin American peoples. Fall, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Multi-Cultural Course. Typically offered Fall Term, Even Years.



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SPAN 232 Cultural Dynamics of Latin Americans in the United States. Examines the history, contributions, and problems of various Latin American ethnic groups in the U.S. as they adjust and adapt to North American culture. Especially recommended for Education majors. 3 semester hours. Multi-Cultural Course.

SPAN 291 Topics in Spanish Language and Literature. Intermediate-level study of topics in Spanish and Latin American literature, culture and civilization. Periodically. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 9.*

SPAN 294 Spanish Conversation Teaching. To provide Spanish majors and minors with the opportunity to strengthen proficiency in all skills. Students work with instructor to prepare and conduct classes, tutor beginning students on an individual basis, and work with assistants in other languages in developing the departmental archive of authentic materials to aid in language instruction. Prerequisite: SPAN 211, SPAN 212. 2 semester hours. *Consent Required.*

SPAN 295 Independent Study. Designed for the intermediate student who wishes to explore an aspect of Spanish language or literature beyond the scope of the regular course offerings. Prerequisite: Department Consent 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

SPAN 305 Advanced Grammar. In-depth study of Spanish syntax and grammar. Strong emphasis on sentence analysis, grammar terminology, translation and word expression acquisition. Highly recommended for prospective language teachers, but useful for all Spanish majors or minors. Designed to enable students to improve their ability to use and manipulate the language with a higher degree of accuracy, flexibility and assurance. Fall, odd years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Typically offered Fall Term, Odd Years. *Consent Required.*

SPAN 307 Contemporary Drama in Spain. Study of representative playwrights. Discussion of the political, social, economic and religious issues reflected in the plays. Emphasis on enabling students to develop skills in oral and written analysis, narration and description, as well as to strengthen reading proficiency. Spring, odd years. Prerequisite: SPAN 211 and 212. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Odd Years. *Consent Required.*

SPAN 310 Contemporary Latin America Narrative. Study of novels, short stories and related videos and films that belong to the "boom" period of the Latin American narrative, as well as its immediate precursors and successors. Emphasis on enabling students to develop skills in oral and written analysis, narration and description, as well as to strengthen reading proficiency. Spring, even years. Prerequisite: SPAN 211 and 212. 3 semester hours. Literature Core Elective. Typically offered Spring Term, Even Years. *Consent Required.*

SPAN 311 Advanced Written Communications. Designed to enable students to improve writing skills through extensive practice and intensive study of various forms of written communication. Fall, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Writing Intensive Course. Typically offered Fall Term, Even Years. *Consent Required.*

SPAN 312 Advanced Oral Communications. Continued emphasis on oral proficiency, syntax, and grammar. Students will work on their ability to respond to the challenges faced when living in an Hispanic culture. In-depth interviews and tapes will be developed. Spring, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Typically offered Spring Term, Even Years. *Consent Required.*

SPAN 391 Topics in Spanish Language and Literature. Advanced-level study of topics in Spanish and Latin American culture, civilization and literature. Fall/Spring. Periodically. 3 semester hours. Typically offered Periodically. *Course Repeatable. Maximum number of units allowed 99.*



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SPAN 395 Independent Study. Designed for the advanced student who wishes to explore an aspect of Spanish language or literature beyond the scope of the regular course offerings. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.*

SPAN 397 Internship. Professional experience designed to enhance proficiency and cultural understanding in human service or business agencies in countries where Spanish is the primary language. Prerequisite: Approved application, Department Consent 2-6 semester hours. *Consent Required.*

Speech

SPCH 110 Speech Communication. An introduction to public speaking, communication theory and small-group and interpersonal communication. The course includes researched extemporaneous speeches and several in-class exercises. Each semester. IAI C2 900. 3 semester hours. Typically offered Fall and Spring Terms.

Theology

THEO 101 Theology of Love. Examines the concept of "God is Love" in the systematic theology of the Trinity, the Sacramental theology of the Eucharist and Marriage, and the Moral theology of Catholic social ethics and Catholic sexual ethics. 3 semester hours. Religious Studies Core Elect.

THEO 102 Theology of Justice. This course examines the idea of justice particularly in relation to the redeeming death of Christ and its implications for theology. It will survey the systematic theology of the Christology and the Atonement; the sacramental theology of the Eucharist, Reconciliation and Holy Orders, and the Moral Theology of Law, social justice and canon law. 3 semester hours. Religious Studies Core Elect.

THEO 103 Theology of Freedom. This course examines the concept of freedom in human life and theology, particularly as it relates to the problem of evil, human action and creativity. It will survey the systematic theology of Creation, Salvation History and Eschatology, the study of the last things; the sacramental theology of Baptism, Confirmation and Reconciliation; The ecclesial theology of the laity, and the moral theology of human action and freedom of conscience. 3 semester hours. Religious Studies Core Elect.

THEO 104 Faith and Science. This course examines the relationship of faith and reason and the theological underpinnings of Catholic thought and how it related to the secular understanding of science. It will survey the systematic theology of creation and the possibility of reason, the sacramental understanding of creation, the moral theology of ecology and the ecclesial theology of the autonomy of the secular disciplines. Fall, Spring, Summer. 3 semester hours. Religious Studies Core Elect.

THEO 201 Survey of the Hebrew Scriptures. Survey of the Hebrew Scriptures with emphasis on historical context and relation to Catholic systematic theology. Spring. 3 semester hours. Typically offered Spring Term.

THEO 202 New Testament. This course is an in-depth study of the New Testament, its origins, interpretation, and transmission to the modern world. Instructor consent. Spring. 3 semester hours. Typically offered Annually. *Consent Required.*

THEO 203 Sacramental Theology. Study of the history, meaning, and theological significance of the sacraments in Catholic theology. Yearly. 3 semester hours. Religious Studies Core Elect. Typically offered Annually.



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THEO 204 Catholic Spirituality. Examines the historical and contemporary contexts of Catholic spirituality. Yearly. 3 semester hours. Religious Studies Core Elect. Typically offered Annually.

THEO 205 Dogmatic Theology. Examines the critical dogmatics and creeds of the church revealing theoretical truths of catholic faith. Even years only. 3 semester hours. Typically offered Even Years.

THEO 206 Christian Ethics. Course examines historical and contemporary issues through Christian ethical analysis. Odd years only. Writing Intensive. 3 semester hours. Religious Studies Core Elect. Typically offered Odd Years.

THEO 207 Catholic Social Teaching. Course examines the history and contemporary application of Catholic social ethics. 3 semester hours.

THEO 208 Sexual Ethics. Course examines Catholic theological, social and ethical teachings on cultural conceptions of sexual identities, and politics and procreation. Yearly. 3 semester hours. Religious Studies Core Elect. Typically offered Annually.

THEO 212 Land, Justice and Peace. This course is a review of the theological and ethical issues underpinning the situation in Palestine and Israel and the impact religion, water, and land have on the search for peace. Spring. Department consent required. 3 semester hours. Religious Studies Core Elect. Typically offered Spring Term. *Consent Required.*

THEO 220 Mediterranean World. Covers content of HUMN 220 with emphasis on history of the Old Testament. Fall. 3 semester hours. Religious Studies Core Elect. Typically offered Fall Term. *Consent Required.*

THEO 225 Pilgrimage. This course will introduce students to the history, theology, and practice of pilgrimage in various religions, including Judaism, Christianity, Islam, and Hinduism. Students will not only study theological texts about pilgrimage, but they will also become familiar with some of the most famous pilgrimage destinations (Jerusalem, Mecca, Rome, Compostela, Guadalupe, Varanasi) and their associated practices. Department Consent. Offered Spring. 3 semester hours. Religious Studies Core Elect. Typically offered Spring Term. *Consent Required.*

THEO 230 Baptism of Europe. Same content as HUMN 230 with emphasis on the foundation of the Catholic Church and New Testament history. Spring. 3 semester hours. Religious Studies Core Elect. Typically offered Spring Term. *Consent Required.*

THEO 235 Interreligious Dialogue. This course will introduce various theological approaches to interreligious dialogue, with a special focus on the Roman Catholic perspective. Students will not only study theological texts about interreligious dialogue written by Christians, Muslims, Jews, and Buddhists, but they will also become familiar with real-life encounters between adherents of the various world religions today. 3 semester hours. Religious Studies Core Elect.

THEO 252 Business Ethics in the Context of Catholic Social Teaching. This course examines the standard issues of business ethics from three perspectives: the norms of Kantian Ethics, the utilitarian calculation of the good and the emphasis on the common good, solidarity and subsidiarity of Catholic Social Teaching. It will use case studies to demonstrate the strengths and weaknesses of each of the three approaches to current business problems. 3 semester hours. Religious Studies Core Elect. Typically offered Fall, Spring, and Summer Terms.



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THEO 270 Benedictine Wisdom Tradition. This course will introduce students to the most prominent theologians of the Benedictine Order (and related monastic traditions) throughout history, from St. Benedict himself to medieval mystical theologians such as Bernard of Clairvaux and Hildegard of Bingen, to modern greats such as the Trappist Thomas Merton. Offered Spring, Even years only. 3 semester hours. Typically offered Spring Term, Even Years.

THEO 301 Survey of the Hebrew Scriptures. Survey of the Hebrew Scriptures with emphasis on historical context and relation to Catholic systematic theology. Spring. 3 semester hours. Typically offered Spring Term.

THEO 302 New Testament. This course is an in-depth study of the New Testament, its origins, interpretation, and transmission to the modern world. Instructor consent. Spring. 3 semester hours. Typically offered Annually. *Consent Required.*

THEO 303 Sacramental Theology. Study of the history, meaning and theological significance of the sacraments in Catholic theology. 3 semester hours. Religious Studies Core Elect.

THEO 304 Catholic Spirituality. Examines the historical and contemporary contexts of Catholic spirituality. Yearly. 3 semester hours. Typically offered Annually.

THEO 305 Dogmatic Theology. Examines the critical dogmatics and creeds of the church revealing theoretical truths of Catholic faith. Even years only. 3 semester hours. Typically offered Even Years.

THEO 306 Christian Ethics. Course examines historical and contemporary issues through Christian ethical analysis. Yearly. Writing Intensive 3 semester hours. Religious Studies Core Elect. Typically offered Annually.

THEO 307 Catholic Social Teaching. Course examines the history and contemporary application of Catholic social ethics. Yearly. 3 semester hours. Typically offered Annually.

THEO 308 Sexual Ethics. Course examines Catholic theological, social and ethical teachings on cultural conceptions of sexual identities, and politics and procreation. Yearly. 3 semester hours. Religious Studies Core Elect.

THEO 370 Benedictine Wisdom Tradition. This course will introduce students to the most prominent theologians of the Benedictine Order (and related monastic traditions) throughout history, from St. Benedict himself to medieval mystical theologians such as Bernard of Clairvaux and Hildegard of Bingen, to modern greats such as the Trappist Thomas Merton. Offered Spring, Even years only. 3 semester hours. Typically offered Spring Term, Even Years.

THEO 391 Advanced Topics:. Advanced topic in Theology. 3 semester hours. *Course Repeatable. Maximum number of units allowed 3.*

THEO 399 Senior Seminar. Senior seminar which directs the research of the students to a topic relating theology and the secular discipline of their choice. The capstone project is a 20,000 word dissertation. 3 semester hours. Writing Intensive Course. Typically offered Spring Term. *Consent Required.*

Writing Program



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WRIT 101 Person in Community: Writing Colloquium. A first-year writing-intensive skills course whose content focuses on Benedictine University and its mission of higher learning grounded in the liberal arts and guided by its Benedictine Heritage and Catholic tradition. Students will be introduced to the theme of “Person in Community,” which unites the Cultural Heritage sequence of courses. Readings will encourage students to understand, discuss, and write about issues of contemporary relevance. Emphasis on writing and revising argumentative essays, grammar review, basic library research skills, and textual analysis. Each semester. Grade of “C” or better. IAI CI900. 3 semester hours. Typically offered Fall and Spring Terms.

WRIT 102 Research Writing. A course that introduces students to writing in the disciplines of literature, social science, or biological science. Students study types of writing in the discipline, use advanced library research techniques, write brief literature reviews, and develop and write significant research papers. Grade of “C” or better. IAI CI901. 3 semester hours.

WRIT 104 Person in Community. A first-year course whose content focuses on Benedictine University and its mission of higher learning grounded in the liberal arts and guided by its Benedictine Heritage and Catholic tradition. Students will be introduced to the theme of "Person in Community", which unites the Cultural Heritage sequence of courses. Readings will encourage students to understand, discuss, and write about issues of contemporary relevance. For all freshmen with a 3 or better on the AP test in English Lit/Comp or English Lang/Comp. 1 semester hour. *Consent Required.*