

corporate communication. Students develop design solutions that respond appropriately to stated criteria and are conceptually sound and perceptively inventive. **Prerequisite:** *ART 356, GRD 228, 258.*

GRD 316 Graphic Design II (3)

The application of the principles of graphic design and the appropriate software programs to electronic media for advertising, corporate communication, and the web. Audio is introduced as a design element. Students design solutions that respond appropriately to stated criteria and are conceptually sound and perceptively inventive. **Prerequisite:** *Beginning Web Design or permission.*

GRD 415 Graphic Design III (3)

The application of the principles of graphic design and appropriate software programs to animation, multi-media, and interactive visuals for digital advertising. Students learn the relationships between traditional cell animation and computer animation and develop technical skills to integrate all media and create animation. **Prerequisite:** *GRD 316.*

GRD 416 Graphic Design IV (3)

An advanced studio course wherein students use their knowledge of the principles of graphic design, their skills for critical thinking and problem solving, and their knowledge of technology to design corporate identities and advertising campaigns. Students produce an advanced project from the initial planning stages to final output. **Prerequisite:** *GRD 415.*

GRD 496 Senior Seminar in Graphic Design (3)

With the guidance of a faculty member, students will develop an extensive portfolio which will demonstrate the knowledge and skills expected upon completion of the major. Satisfactory completion of this portfolio will demonstrate a solid understanding of the major, as well as the confidence and skills to work with existing and emerging aspects of the professional field, to be creative artisans and problem solvers, and to accomplish visual communication effectively. **Prerequisite:** *Senior standing, and permission.*

History (HIS)

HIS 105, 106 History of Civilization I, II (3) (3)

An analysis of the development of civilization in Europe and elsewhere. Particular attention will be paid to the evolution of a modern mind set. This course focuses on the theme of how human perceptions changed over time—a key component of the very notion of “civilization.” As a result of these courses, students will gain an understanding of Western and non-Western heritages in terms of their origins, development, values, and distinctive qualities. Students will also gain an understanding of the nature of social, political, economic, and psychological forces and how they affect us. First term: 1300-1815; Second term: 1815 to the present.

HIS 205, 206 History of the United States I, II (3) (3)

A survey of the American colonial and U.S. national experience, this course is designed for the general student with emphasis on politics and society. Students successfully completing this course will demonstrate knowledge of the major themes and chronological periods of American history. They will also demonstrate a deeper understanding of historical method, and the role of interpretation and perspective in constructing historical narratives. First term: to 1877. Second term: since 1865.

HIS 301 Women in History (3)

An analysis of the role and evolving status of women within Western culture in modern history (19th and 20th centuries).

HIS 305 Recent History of the United States (3)

Examines selected topics in U.S. history, from the 1950s to present. Students will gain a deeper understanding of Cold War culture, popular culture, gender roles, the modern civil rights movement(s) and other social movements. Particular attention is paid to domestic politics, from the rise of Lyndon B. Johnson's "Great Society" to Ronald Reagan and the rise of the "New Right." Students who complete this course also will gain a deeper understanding of the interplay of culture, politics, and society (and the analytical constructs of race, gender, and class), as they study the origins of issues relevant to contemporary society.

HIS 306 U.S. Interwar Years (3)

Provides an in-depth examination of political, social and cultural history, from the 1920s to the early 1940s. Students who successfully complete this course will demonstrate knowledge of the background to the economic collapse of the Great Depression, the rise of Franklin D. Roosevelt's "New Deal," and the beginnings of the Second World War. Students also will gain a deeper understanding of U.S. diversity, from region to race, from rural to urban, and from liberal to conservative strains of political thought. *Cross-referenced with PSI 306.*

HIS 312 Gilded Age and Progressive Era (3)

An in-depth examination of the cultural, social, economic and political history of the United States from circa 1870 to 1920. Students who successfully complete this course will demonstrate knowledge of the main themes of industrialization, urbanization, and immigration and the rise of programs of various social-political reformers. Attention is given to the culture of the Victorian or Gilded Age and the Progressive and Modern critique of that culture. Students will also gain a deeper understanding of the interplay of culture, politics, and society (and gender, race, and class) as they study industrialists, reformers, laborers, and presidents.

HIS 314 History of the Vietnam War and the 1960s (3)

A course designed to provide an overview of the Vietnam War as well as the social, political and cultural context of the 1960s. Effects of the Vietnam War and the 1960s on U.S. culture and politics today are also emphasized. **This course fulfills the Cultural Perspectives requirement of the Doane Plan. Cross-referenced with INT 314.**

HIS 315 The Civil War and Reconstruction (3)

Examines the causes, character, and consequences of two great American tragedies: the Civil War and Reconstruction, from the mid-19th century to 1877. Students who successfully complete this course will demonstrate knowledge about the failure of antebellum political mechanisms, the growth of sectionalism, justifications for and against secession, and the methods and implications of war. Students will also gain a deeper understanding of the different constitutional systems underpinning the conflict, efforts to eradicate Southern separatism, and the promises, failures, and continuing legacy of the Reconstruction Era.

HIS 320 American Environmental History (3)

Examines American environmental history from colonial times to the present. Students who successfully complete this course will gain a deeper understanding of topics such as changing interpretations of nature and resources, the conservation and environmental movements, the roles of art, literature, and culture in American visions of nature, as well as issues of public health, government interaction with the environment, and more recent environmental debates. The primary objective of this course is to explore the question “What is environmental history?” Students will also demonstrate knowledge of major authors and their works and will demonstrate the complexity and interdisciplinary nature of environmental history and its interpretations of human interactions with the environment.

HIS 321 American Race Relations (3)

Surveys events in United States history, from the colonial era to the present, that suggest the racial underpinnings of American culture and society and explores how race interacts with class, gender, ethnicity, religion and culture. Students will gain a deeper understanding of the historical reality of American multiculturalism. Students examine the history of Native “Indian” Americans, African-Americans, Asian and Western and Eastern European immigrants and their descendants, in colonial and national contexts. Topics covered include conquest, assimilation, slavery, ethnicity, eugenics, and the modern civil rights movements. Students also will gain a deeper understanding of the development and values of Western and non-Western cultures and the interrelations between people, systems, and social forces. **This course fulfills the Cultural Perspectives requirement of the Doane Plan.**

HIS 329 The U.S. Revolutionary Era (3)

An examination of the U.S. colonial revolution and early national period. Students who successfully complete this course will demonstrate knowledge of the social, cultural and political history of Great Britain’s North American colonies on the eve of the Revolution; the military course of the Revolutionary War; the formation of the U.S. Constitution; and selected topics in early national politics and culture. Students will also gain a deeper understanding of social diversity, from Native Americans,

African-Americans, women, and the common soldier to well-known leaders such as Benjamin Franklin, Thomas Jefferson, Alexander Hamilton, and George Washington. ***Cross-referenced with PSI 329.***

HIS 336 American Culture and Thought (3)

An examination of some of the major thinkers and cultural forms in American history from colonial times to the present. Particular attention is paid to the social and political context in which individuals and groups expressed themselves and their ideas. Areas of emphasis include political and social analysis, literary expression, and popular culture. Through successful completion of this course, students will gain a deeper understanding of the development and values of Western cultures, particularly as they relate to the United States, and the interrelations between people, systems and social forces.

HIS 337 American Women's History (3)

A general survey of U.S. women's history, from the colonial period to the present. Students successfully completing this course will demonstrate knowledge of the major themes and problems of women in American history and women's contributions to American political, social, and cultural life. Students examine how women are connected and divided by region, race and class. Students will also gain a deeper understanding of the role of gender and sex in American history and how such themes/ideologies affect men as well as women.

HIS 342 The United States and the Middle East (3)

A focus on the history of the Islamic Middle East and the relationship between the United States and the broader Middle East from the 18th century to the present, through an examination of selected countries, including Egypt, Iran, Iraq, Israel and Palestine. Students who successfully complete the course will demonstrate knowledge of the rise of Islam in the Arabian Peninsula; the history of the Ottoman Empire and the mandate system; U.S. foreign policy in the Middle East; the Gulf Wars; and the Middle East and the media. Students also will gain a deeper understanding of the development and values of Western and non-Western cultures and the interrelations between people, systems, and social forces. ***Cross-referenced with PSI 342.***

HIS 346 Modern Eastern European History (3)

Students who successfully complete this survey course will demonstrate knowledge of the struggle for national independence by the people of the Balkans and East-Central Europe (Rumania, Yugoslavia, Czechoslovakia, Poland and Hungary), and also gain a deeper understanding of the post-1945 Communist period and the dynamics of the transition from Communism since 1989.

HIS 348 History of the Roman Empire (800 B.C.—476 A.D.) (3)

Focus on the rise of Roman civilization. Students who successfully complete this course will demonstrate knowledge of the cultural, military, political, and economic aspects of Roman civilization. Students also

will gain a deeper understanding of the political transformation from the Roman Republic to the Roman Empire, as well as why this amazing civilization, which would serve as a model for so many future empires, eventually collapsed.

HIS 349 Contemporary Europe (3)

Collapse of European civilization through World War I and World War II, followed by the emergence of a New Europe in recent times. This course fulfills the Cultural Perspectives requirement of the Doane Plan.

Cross-referenced with INT 349.

HIS 352 American West (3)

An examination of the major themes of conquest, migration, water, agriculture, urbanization, government, myth, race, region, class, and gender, with special emphases on the Great Plains region and environmental history. Students will gain a deeper understanding of social, racial and cultural diversity in the West, with emphasis on Native American “Indian” cultures. Students also will gain a deeper understanding of the significance of region and the environment as forces in history and the West as a source of themes in U. S. history.

HIS 353 Modern World History (3)

An examination of modern political and social developments in six societies (Russia, China, India, Brazil, South Africa, and Japan). Change in these societies will be studied against the background of 20th-century global change in Europe, Africa, the United States, Latin America, and Asia. As a result of this course, students will gain an understanding of Western and non-Western heritages in terms of their origins, development, values, and distinctive qualities. Students will also understand the nature of social, political, economic, and psychological forces and how they affect us. ***Cross-referenced with PSI 353.***

HIS 354 Antebellum America (3)

An examination of the social, cultural, and political history of the United States, from the 1820s to the eve of the Civil War. Students who successfully complete this course will demonstrate knowledge, among other topics, of party politics, national expansion, slavery, early industrialization, and social reform movements (such as temperance, anti-slavery, woman rights and transcendentalism). Students will also gain a deeper understanding of the main historical themes of the antebellum period of the United States.

Human Relations (HRE)

HRE 221 Human Potential and Growth (3)

A course exploring underlying theories, current research and knowledge in the area of cognitive skills training. Its goal is to help students understand the processes of thinking and the potential for effective learning.

HRE 232 Case Planning and Management (3)

Specific to alcohol/drug abuse and other addictions, students are taught to 1) develop, coordinate, and prioritize client treatment goals, 2) develop and utilize the written client record for case assessment, planning, and management, 3) work with other agencies, resources, and services, and 4) appreciate the rules of confidentiality of client information and records.

Prerequisite: *PSY 219 or permission.*

HRE 271, 371, 471 Selected Topics in Human Relations (1-3) (1-3) (1-3)

An investigation of topics not offered in other courses, selected on the basis of student interest and available instruction.

HRE 315 Group Counseling (3)

A study of the basic issues and key concepts involved in group counseling and the application of these concepts to a variety of therapeutic groups.

Prerequisite: *CMS 112 and PSY 234.*

HRE 317 Psychopharmacology (2)

A study of the basic pharmacology and classification of drugs and the effects of drug/alcohol use on the systems of the body. **Prerequisite:**

PSY 219 or permission.

HRE 321 Clinical Treatment Issues in Chemical Dependency (3)

A study of treatment issues and various treatment theories and models specific to alcohol and drug abuse. **Prerequisite:** *PSY 219 or permission.*

HRE 331 Personnel Law (3)

An in-depth study of personnel law from both a conceptual and a practical perspective. Students learn (1) the guidelines established for disciplinary actions, hiring, firing and promotion; (2) the legal response to sexual harassment in the workplace; (3) the responsibility of the employer to provide safe working conditions; (4) equal employment opportunity law; and (5) legal issues as they pertain to physical, mental, and emotional illness and disability. **(Cross-referenced with BUS 331.)**

HRE 415 Leadership in Organization (3)

A course designed to investigate attitudes and behaviors which inspire and motivate others to a common purpose through and investigation of current and historic leadership theories, to lead the student to a conceptual understanding of the term leadership, and to help students acquire the attitudes and skills necessary for innovation, risk-taking and team-building. **(Cross-referenced with BUS 415.)**

HRE 417 Multicultural Counseling (3)

A course designed to give students the self-understanding, knowledge, and techniques necessary to counsel a person whose culture is different from that of the counselor. **Prerequisite:** *PSY 234.*

HRE 421 Internship in Human Relations (1-3)

On-the-job experience and involvement in activities which develop skills in the effective management of people. The internship may be in a business firm or human services agency. **(Pass/Fail)**

HRE 428 Professional Ethics and Issues (3)

The study of ethical counseling practices, behaviors and decision making. Includes legal considerations, rights of clients, and counselor roles and values. **Prerequisite: PSY 234.**

HRE 496 Senior Seminar (3)

With the guidance of a faculty member, students will develop a research or experiential project which will demonstrate the knowledge and skills expected upon completion of the major. Satisfactory completion of this project, including a written and oral presentation, will demonstrate a solid understanding of the major, as well as the confidence and skills to work with existing and emerging aspects of the professional field, to do independent research and effective problem solving, and to communicate effectively. **Prerequisite: IDS 206, BUS 215 or SSI 217, senior standing, and permission.**

Information Science and Technology (IST)

IST 307 Database Design and Development (3)

A study of the methods of organizing data on peripheral devices and of accessing this information in an efficient manner. Upon completion of this course, students will understand the relationship between file systems and database systems, and will design and implement a database application using a popular DBMS. **Prerequisite: IST 145.**

IST 341 Principles of Programming Languages (3)

A study of the principles governing the design of modern programming languages including: language syntax - representation and parsing; language processors - compilers and interpreters; language representations - data/control structures and binding; language styles - procedural, functional, object, logic, and data flow. One or more example languages are studied in some detail. Upon completion of this course, the student will have an understanding of how programming languages are developed and of the common principles that relate various programming languages. **Prerequisite: Permission.**

IST 352 Operating Systems (3)

An introduction to operating systems. Students will leave the course with a better understanding of multiprogramming concepts such as CPU scheduling, deadlocks, memory management, virtual memory and protection, operating systems structures, and distributed operating systems. Current operating systems will be surveyed and discussed as they relate to these concepts. **Prerequisite: Permission.**

Information Systems Management (ISM)

ISM 101 Software Development I (3)

This course provides, through the development of small software applications, an understanding of the process of developing software, including the identification of a problem, and the design, analysis, and implementation of algorithms and data/file structures to solve that problem. Students learn how to implement algorithms and data/file structures in a high-level language, and how to test and verify that implementation. **Prerequisite: ISM 100. (Students may demonstrate competence to fulfill this requirement.)**

ISM 102 Software Development II (3)

A continuation of Information Systems Management 101, this course provides, through the development of larger software applications, an understanding of the process of developing software, including the identification of a problem, and the design, analysis and implementation of algorithms, and data/file structures to solve that problem. Students learn how to implement algorithms and data/file structures in a high-level language, and how to test and verify that implementation. **Students may demonstrate competence to fulfill this requirement. Prerequisite: ISM 101 or competence and MTH 115.**

ISM 201 Supporting Microsoft Windows 2000 Professional (3)

A course designed to help students learn how to set up and support the Microsoft Windows 2000 Professional operating system and prepare for the Microsoft Certified Professional examination. **(This is Microsoft course #2151.)**

ISM 202 Supporting Microsoft Windows 2000 Server (3)

A course designed to help students learn how to set up and support the Microsoft Windows 2000 Server operating system and prepare for the Microsoft Certified Professional examination. **Prerequisite: ISM 201. (This is Microsoft course #2152.)**

ISM 215 Information Systems Theory and Practice (3)

This course provides an understanding of the decision process and how information is used for decision support in organizations. Students develop an understanding of decision theory and practice essential for providing viable information to the organization and will be able to identify the various types of information systems. **Prerequisite: ISM 100 or competence.**

ISM 253 Information Technology Architecture (3)

This course provides the hardware and software technology background necessary to enable students to understand computer architecture for effective use in the business environment. Students learn the various hardware designs, how to choose and organize hardware, fundamental operating systems concepts, and basic networking components. **Prerequisite: ISM 102 or competence.**

ISM 271/371/471 Selected Topics (1-3)

An investigation of topics not offered in other courses, selected on the basis of student interest and available instruction.

ISM 301 Supporting a Network Infrastructure (3)

A course intended for new-to-product support professionals who will be responsible for installing, configuring, managing and supporting a network infrastructure that uses the Microsoft Windows 2000 Server Products. **Prerequisite: ISM 202. (This is Microsoft course #2153.)**

ISM 302 Implementing and Administering Microsoft Windows 2000 Directory Services (3)

A course designed to provide students with the knowledge and skills necessary to install, configure, and administer Microsoft® Windows® 2000 Active Directory™ directory services. The course also focuses on implementing Group Policy and understanding Group Policy tasks required to centrally manage users and computers. Prerequisite: **Prerequisite: ISM 301. (This is Microsoft course #2154.)**

ISM 315 Systems Analysis and Design (3)

This course applies a student's understanding of the systems development and modification process as outlined by the systems development life cycle. It enables students to evaluate and choose a system development methodology. Students demonstrate their mastery of the analysis and design process acquired in this course and earlier courses by analyzing, designing, and constructing a physical system (implemented via either a DBMS or programming language) from a logical design. **Prerequisite: ISM 102 or competence.**

ISM 316 Communication, Technology, and Organizational Behavior (3)

This course examines the impact of technology on the way we communicate with others as well as communicative processes in the workplace. Students will examine essential communication and human relations concepts to help them recognize, define, and resolve change and productivity issues. The course attempts to develop in students an ability to understand human dynamics and communicate effectively to ensure the integration of technology and other functions of the enterprise. **Prerequisite: Computer Systems Applications requirements.**

ISM 325 Software Engineering I (3)

An investigation and application of engineering principles to the development of software systems. Students will gain a better understanding of these principles through the completion of a software engineering project using the same software development environment learned in Information Systems Management 101 and 102. **Prerequisite: ISM 102.**

ISM 326 Software Engineering II (3)

Further investigation and application of engineering principles to the development of software systems. Students will continue to develop a better understanding of these principles through the completion of a software engineering project using a software development environment different from that used in Information Systems Management 101 and 102. **Prerequisite: ISM 325.**

ISM 342 Network Management (3)

This course provides in-depth knowledge of data communication and networking requirements, including telecommunication technologies, hardware, and software. Emphasis is on the analysis and design of networking applications in business. Management of telecommunications networks, cost-benefit analysis, and evaluation of connectivity options is also covered. Students learn to evaluate, select, and implement different communication options within a business and develop the skills for network administration. **Prerequisite: ISM 253.**

ISM 358 Network Technology (3)

This course provides in-depth study of data communication and networking topology requirements. Students learn to set up, install, and configure networking hardware and software. Emphasis is on network troubleshooting and technical support as students explore network performance measurement issues. **Prerequisite: ISM 253, 342, or competence.**

ISM 401 Designing Microsoft Windows 2000 Directory Services Infrastructure (3)

A course providing students with the knowledge and skills necessary to plan and implement Microsoft® Windows® 2000 Directory Services in an enterprise environment. **Prerequisite: ISM 302 or permission. (This is Microsoft course #1561.)**

ISM 402 Designing Microsoft Windows 2000 Networking Services Infrastructure (3)

A course providing students with the knowledge and skills necessary to develop a Microsoft® Windows® 2000 networking services solution for enterprise networks. **Prerequisite: ISM 302 or permission. (This is Microsoft course #1562.)**

ISM 403 Designing a Secure Microsoft Windows 2000 Network (3)

A course providing students with the knowledge and skills necessary to design a security framework for small, medium, and enterprise networks using Microsoft® Windows® 2000 technologies. **Prerequisite: ISM 302 or permission. (This is Microsoft course #2150.)**

ISM 404 System Administration for Microsoft SQL Server 7.0 (3)

A course providing students with the knowledge and skills required to install, configure, administer, and troubleshoot Microsoft SQL Server client/server database management system version 7.0. Corresponding exam number: 70-28. **Prerequisite: ISM 302 or permission. (This is Microsoft course #832.)**

ISM 405 Secure Web Access Using Microsoft Proxy Server 2.0 (3)

A course covering installing, configuring, and troubleshooting Microsoft Proxy Server. It includes basic architecture of the server, security configurations, and integration with Microsoft Internet Information Server. **Prerequisite: ISM 302 or permission. (This is Microsoft course #836.)**

ISM 409 Project Management (3)

An introduction to the basic concepts of project management. Students become familiar with generally accepted project management knowledge and practice, learn all aspects of the processes of project management, and develop an understanding of the relationship of project management to other management disciplines. **Prerequisite: BUS 242.**

ISM 421 Information Systems Management Internship (0-9)

Supervised on-the-job experience in a for-profit, not-for-profit, or governmental environment. **Prerequisite: Permission. (Pass/Fail)**

ISM 425 Network Administration (3)

In this course, students develop the skills necessary for computer systems network administration. They learn the administration requirements for current network operating systems, including both server and workstation support. Emphasis is placed on routine network administration management tasks, along with back up and disaster recovery procedures within a client/server environment. **Prerequisite: ISM 253, 342, 358, or competence.**

ISM 445 Modeling and Simulation (3)

Students learn to use techniques of modeling to simulate business operations for problem solving, forecasting, and decision making. The focus of the course is the practical application of simulation modeling. Each student builds an operational model/simulation for a local organization. **Prerequisite: ISM 215 or permission.**

ISM 496 Senior Seminar (3)

With the guidance of a faculty member, students will develop a research or experiential project which will demonstrate the knowledge and skills expected upon completion of the major. Satisfactory completion of this project, including a written and oral presentation, will demonstrate a solid understanding of the major, as well as the confidence and skills to work with existing and emerging aspects of the professional field, to do independent research and effective problem solving, and to communicate effectively. **Prerequisite: IDS 206, senior standing, and permission.**

Interdisciplinary Studies (IDS)

IDS 104 Reorientation to Higher Education (1)

A course designed to 1) help students understand the meaning of a liberal arts and sciences education and the organization and structure of college degree requirements; (2) build the student's confidence in the ability to study and learn in a formal academic setting; (3) diagnose current individual skill levels in the areas of writing, reading comprehension, reading rate, vocabulary, and math; (4) continue development of study skills for note-taking, textbook analysis, time management, test-taking, and listening; and 5) help students understand college-level writing requirements and demystify writing as a skill. (*Pass/Fail*)

IDS 109 American Sign Language I (3)

A beginning course in the visual-gestural processes of American Sign Language (ASL). Students develop basic receptive and expressive language skills in ASL, including signs, grammar syntax, and finger spelling, and will begin development of an understanding of the culture of the deaf.

IDS 206 Introduction to Research (3)

The study of basic research methodology and the tools of research with instruction in principles and procedures applicable to all disciplines. Students are introduced to the concepts and skills necessary for data collection and analysis.

International Studies (INT)

INT 314 History of the Vietnam War and the 1960s (3)

A course designed to provide an overview of the Vietnam War as well as the social, political and cultural context of the 1960s. Effects of the Vietnam War and the 1960s on U.S. culture and politics today are also emphasized. **This course fulfills the Cultural Perspectives requirement of the Doane Plan. (*Cross-referenced with HIS 314.*)**

INT 315 International Relations Since 1945 (3)

A course examining critical changes in international relations since World War II. Particular emphasis is on three concepts: security, interdependence, and global commons. **This course fulfills the Cultural Perspectives requirement of the Doane Plan.**

INT 349 Contemporary Europe (3)

Collapse of European civilization through World War I and World War II, followed by the emergence of a New Europe in recent times. This course fulfills the Cultural Perspectives requirement of the Doane Plan. ***Cross-referenced with HIS 349.***

Journalism (JOU)

JOU 113 Basic Newswriting and Reporting (3)

An introduction to journalistic writing, including news values and sources, and problems and issues in news reporting. The student who successfully completes this course will have developed interviewing, note taking and writing skills, especially for print media. ***(Cross-referenced with ENG 113.)***

Mathematics (MTH)

MTH 107 Problem Solving (3)

This is a basic problem-solving course suitable for students in any major. A survey of a wide variety of problem solving strategies. Students successfully completing this course will effectively communicate mathematically, utilize various strategies in analyzing problems, and increase problem-solving persistence and sharpen problem-solving skills.

MTH 108 Modeling & Applications (3)

This is an algebra-based course with an emphasis on practical applications. An examination of real-life models and their applications using algebra as a foundation. Students successfully completing this course will effectively use algebra and technology to analyze models of real-world phenomena; effectively read, interpret and analyze problems; and gain quantitative literacy and confidence.

MTH 115 Finite Mathematics (3)

Matrices, systems of linear equations, linear programming using geometric and simplex methods, set theory, probability, Markov chains, and game theory. ***Prerequisite: Two years of high school algebra or MTH 107 or 108.***

MTH 125 Precalculus (4)

A study of topics in algebra and trigonometry that are used in calculus. Topics include functions, advanced algebra, logarithmic and exponential functions, and trigonometry. Students who successfully complete this course will have the mathematics background needed to study calculus. ***Prerequisite: Two years of high school algebra or MTH 107 or 108.***

MTH 235 Calculus and Analytic Geometry I (4)

An introduction to the fundamentals of differentiation and integration applications. **Prerequisite:** *High school precalculus (algebra and trigonometry) or MTH 125.*

Music (MUS)

MUS 335 World Music (3)

A survey/appreciation course to stimulate interest in music of other cultures, including Eastern, Latin American, African, and Spanish civilizations.

Paralegal Studies (PLS)

PLS 121 Legal Writing and Drafting (3)

A course focusing on the fundamentals of good writing and the effective use of English, both to inform and to persuade. Students develop these skills and apply them to the drafting of basic legal documents.

PLS 205 The American Legal System (3)

A comprehensive study of the nature of the judiciary and the court system and the major function the law serves in modern society. Students learn 1) the general structure of the U.S. legal system at the federal, state, and local levels, 2) the roles of the various officials involved in the court system, 3) the differences in function and procedure among trial courts, appellate courts, and administrative hearings, 4) the difference between substantive and procedural law, and 5) the difference between criminal and civil law. Special attention is given to the detailed structure of the state and local courts in Nebraska.

PLS 221 Introduction to Legal Research (3)

A course providing a general understanding of the nature of legal research and its specific techniques and methodologies. Students learn how to use the resources available in a standard law library and in computer-assisted legal research programs to locate primary source materials and secondary source materials, such as treatises, law review articles, and legal encyclopedia, all of which help explain the law. **Prerequisite:** *PLS 121.*

PLS 233 Litigation, Pleadings, and Arbitration (3)

A thorough examination of the procedures for trial preparation, focusing on the steps involved in the preparation, litigation, and appeal of civil cases. Attention is given to the differences between criminal and civil procedures and the nature of the remedies available through civil litigation. Students learn 1) how to initiate and commence legal proceedings, 2) how to prepare pleadings, motions, and other necessary legal documents, 3) state and federal discovery procedures and statutes, 4) methods of gathering factual data, 5) the preparation and organization of evidence for trial, and 6) pre- and post-trial activities. **Prerequisite:** *PLS 121, 205.*

PLS 307 Family Law (3)

A course covering the legal formalities of family law and its impediments, including marriage, annulments, divorce property rights and distribution, child custody and visitation, alimony, separation agreements, adoptions, and parent and child law. Students learn how to interview clients with family law problems, conduct investigation and evidence gathering, and prepare complaints and agreements. **Prerequisite: PLS 121, 233.**

PLS 315 Wills, Trusts, and Estate Planning (3)

A study of the initial planning and preparation necessary for a comprehensive estate plan. Students also learn 1) the purposes of estate planning, probate, guardianships, conservatorships, and trusts, 2) the provisions and techniques for drafting wills and trusts, 3) the processes of estate administration, 4) how to contest, revoke, and terminate a will, and 5) the probate process.

PLS 330 Criminal Law (3)

A study of the law of crimes against persons and property. Students learn 1) the Constitutional safeguards and procedures necessary from arrest through trial, 2) precedents for defenses to prosecution and punishment, 3) criminal procedure, and 4) techniques for evidence gathering. Emphasis is on the Nebraska Penal Code and related forms and documents. **Prerequisite: PLS 205, 233.**

PLS 345 Real Property (3)

An examination of the acquisition, ownership, regulation, and disposition of real property. Students learn 1) the basic concepts in the law of real property; 2) how to draft real property descriptions and sales agreements; 3) the various techniques for financing, and 4) the processes for closing and settlement.

PLS 354 Torts (3)

An examination of the remedies provided by law for recourse when an injurious act is committed by one person or entity against another. Students learn 1) the basic differences between criminal law and tort law, 2) the distinguishing features of intentional torts, negligence torts, and strict liability torts, 3) the elements for a cause of action; 4) the determining factors for foreseeability, cause in fact, and proximate cause; and 5) the categories of basic business torts.

PLS 412 Legal Research and Writing (3)

A course designed to strengthen skills for research, writing, analysis, and critical thinking. It focuses on the crucial issues of writing in the context of law practice. Students learn how to 1) report legal research findings in an appropriate format, 2) use appropriate citations for sources, 3) use the proper format and content in drafting client correspondence and legal documents; and 4) modify standardized forms found in form books, pleading files, or a computer data bank. **Prerequisite: PLS 221.**

PLS 425 Ethics and the Paralegal Profession (3)

Through this course, students develop knowledge and understanding of the ethical and legal responsibilities that have been established by statutes, decisions, and court rules affecting paralegals/legal assistants and lawyers, including conflict of interest, confidentiality, competence, solicitation, fees and billing, obligations of attorneys to clients, and protection of client funds. ***Prerequisite: Senior standing.***

PLS 496 Senior Seminar in Paralegal Studies (3)

With faculty guidance, the student develops a research or experiential project which demonstrates the knowledge and skills expected upon completion of the major. Satisfactory completion of this project, including a written and oral presentation, demonstrates a solid understanding of the major, as well as the confidence and skills to work with existing and emerging aspects of the professional field, to do independent research and effective problem solving, and to communicate effectively.

Prerequisites: PLS 412, senior standing, and permission.

Philosophy (PHI)**PHI 114 Informal Logic (3)**

A non-formal examination of the nature of good reasoning. Students examine and learn the nature of cognitive argument, the role of inductive and deductive reasoning, and the effects of non-cognitive aspects of language on the cognitive. Students will examine informal fallacies and apply what is studied to examples of reasoning in such areas as science and law.

PHI 305 World Views (3)

An overview of major ideas and events that have shaped Western civilization through examination of narratives, discourses, artworks, films and popular culture. Upon successful completion of this course, students will have a better understanding of classical mythology and philosophy, the Biblical concept of reality, modern secularism, the intellectual foundations of totalitarianism, post-modernism, New Age spirituality, and alternative concepts of history. **This course fulfills the Cultural Perspectives requirement of the Doane Plan.**

Philosophy-Religion (PRE)**PRE 111 Ethics (3)**

An examination of theories and forms of reasoning about moral problems. Procedures for reasoning about ethical issues are examined as well as several major philosophical theories, such as Utilitarianism, which attempt to provide guidance in these issues. Upon completion of this course, students will be able to provide their own solutions to these problems, guided by the theories discussed.

PRE 120 Understanding the Old Testament (3)

An introduction to the great ideas and stories of the Bible, focusing on the Old Testament. Students examine leadership in the Bible through daily assignments, short written papers, and a research project.

PRE 121 Understanding the New Testament (3)

An introduction to the literature and thought of the New Testament, focusing on the life and teachings of Jesus and the letters of Paul.

PRE 231 History and Philosophy of Technology (3)

This course focuses on aspects of the history of technology; the moral and social dilemmas that past technologies gave rise to (even when those dilemmas were not clearly acknowledged); the potentials of selected current technologies; and the moral and social dilemmas that those technologies raise. Students study the ways major thinkers have tried to deal with the dilemmas technologies have posed, and are asked to think through their own responsibilities concerning the technologies discussed.

PRE 323 Religion in American Life (3)

An examination of the intellectual and social history of religion in America. Beliefs and practices of major religious groups are also examined.

PRE 324 Christian Social Ethics (3)

Ethical principles of the Judeo-Christian tradition and their importance for economics, politics, race relations, world hunger, war, and peace.

Physical Education (PED)

PED 101 Physical Activity Course (1)

An opportunity for physical conditioning through a variety of activities.
(Pass/Fail)

PED 104 Theory of Lifetime Fitness (1)

A course providing students with knowledge of how to stay fit throughout their lifetimes. It includes both academic (fitness theory and nutrition) and physical (how to exercise properly) components.

NOTE: A maximum of four physical education activity/theory of physical fitness credits apply toward graduation.

PED 209 Nutrition (3)

An introduction to basic principles of human nutrition with emphasis on nutrients, food sources, and function of nutrients within the human body. Nutritional requirements throughout the life span are addressed, as well as the impact of cultural, psychological, and personal health factors on an individual's nutritional status. Upon completion of the course, students will know how to assess nutritional status and provide preventive and therapeutic dietary teaching based on an individual's nutritional needs and developmental, cultural, psychological, and physiological dimensions.

Physical Science (PHS)

PHS 105 Principles of Physical Science (4)

A survey of topics selected from physics and chemistry designed for the non-science major. Some physics topics to be studied include: the nature of light and color, electrical phenomena, heat and energy, as well as other topics necessary for understanding much of the phenomena associated with everyday life. Chemistry topics include the nature of matter at a macroscopic level and at an atomic level. Social issues with a scientific or technological component are discussed. All topics are developed through laboratory exercises.

Political Science (PSI)

PSI 101 American Politics (3)

An analysis of American political institutions and behavior.

PSI 105 World Politics (3)

An examination of political systems beyond American borders. Topics include a comparison of various political systems and may also include elementary international relations and/or American foreign policy. Upon completion, students will demonstrate an understanding of the alternatives that exist to American democracy and the advantages and disadvantages of alternate systems.

PSI 213 Political Attitudes and Behavior (3)

A study of public opinion, political participation, voting behavior, candidate selection, political party organization, media coverage of politics, and campaigns. Upon completion, students will demonstrate an understanding of the attitudes and behaviors of the American electorate and the basics of public opinion polling.

PSI 214 International Politics (3)

The dynamics of the international state system with emphasis on the problem of war and the maintenance of peace. Includes the role of international law, nationalism, balance of power, dominance of power, and international organization.

PSI 234 Legislative and Executive Behavior (3)

Policy-making processes and behavior at the national and state levels. Includes the presidency, Congress, and bureaucratic politics.

PSI 243 Contemporary Political Issues (3)

A course in policy analysis. Includes selected policy issues facing government.

PSI 271, 371, 471 Selected Topics in Public Administration (1-3)

An investigation of topics not offered in other courses, selected on the basis of student interest and available instruction.

PSI 306 U.S. Interwar Years (3)

Provides an in-depth examination of political, social and cultural history, from the 1920s to the early 1940s. Students who successfully complete this course will demonstrate knowledge of the background to the economic collapse of the Great Depression, the rise of Franklin D. Roosevelt's "New Deal," and the beginnings of the Second World War. Students also will gain a deeper understanding of U.S. diversity, from region to race, from rural to urban, and from liberal to conservative strains of political thought. *(Cross-referenced with HIS 306.)*

PSI 308 Public Finance (3)

Introduces the basic concepts used to describe and measure government decision-making as it pertains to economics. This course examines the effects of fiscal policy on its resources, incomes, prices, and employment. Students successfully completing this course will be able to: 1) understand the characteristics, functions and interactions of public and private institutions; 2) explain fundamental economic theory and terminology as it relates to public finance; 3) apply economic theory to current policy problems; and 4) analyze and apply economic data to the study of a public policy problem. *Prerequisite: ECO 203. (Cross-referenced with ECO 308.)*

PSI 313 Political Parties and Interest Groups (3)

A study of how political parties and interest groups link citizens to government. Upon completion, students will demonstrate an understanding of the mechanics of parties and interest groups and the role each has in a democratic society.

PSI 323 State and Local Politics (3)

An analysis of political processes and behavior in state, metropolitan, and local governments.

PSI 328 Constitutional Law (3)

A study of the constitution through an analysis of Supreme Court decisions. Will include distribution of powers, the commerce clause, inter-governmental relations, state powers, and substantive due process.

PSI 329 The U.S. Revolutionary Era (3)

An examination of the U.S. colonial revolution and early national period. Students who successfully complete this course will demonstrate knowledge of the social, cultural and political history of Great Britain's North American colonies on the eve of the Revolution; the military course of the Revolutionary War; the formation of the U.S. Constitution; and selected topics in early national politics and culture. Students will also gain a deeper understanding of social diversity, from Native Americans,

African-Americans, women and the common soldier to well-known leaders such as Benjamin Franklin, Thomas Jefferson, Alexander Hamilton, and George Washington. **(Cross-referenced with HIS 329.)**

PSI 342 The United States and the Middle East (3)

A focus on the history of the Islamic Middle East and the relationship between the United States and the broader Middle East from the 18th century to the present, through an examination of selected countries, including Egypt, Iran, Iraq, Israel and Palestine. Students who successfully complete the course will demonstrate knowledge of the rise of Islam in the Arabian Peninsula; the history of the Ottoman Empire and the mandate system; U.S. foreign policy in the Middle East; the Gulf Wars; and the Middle East and the media. Students also will gain a deeper understanding of the development and values of Western and non-Western cultures and the interrelations between people, systems, and social forces. **(Cross-referenced with HIS 342.)**

PSI 353 Modern World History (3)

An examination of modern political and social developments in six societies (Russia, China, India, Brazil, South Africa, and Japan). Change in these societies will be studied against the background of 20th-century global change in Europe, Africa, the United States, Latin America, and the Asia. As a result of this course, students will gain an understanding of Western and non-Western heritages in terms of their origins, development, values, and distinctive qualities. Students will also gain an understanding of the nature of social, political, economic, and psychological forces and how they affect us. **(Cross-referenced with HIS 353.)**

PSI 421 Governmental Internship (0-3)

An internship in a governmental agency to provide experience with public management skills. **Prerequisite: Permission (Pass/Fail)**

Psychology (PSY)

PSY 117 Introduction to Psychology (3)

An introduction to the systematic study of individual people and what they do. Fundamentals of behavior, learning, conditioning, growth, cognitive processes, perception, emotion, personality, and psychopathology are among the issues studied.

PSY 219 Addictions (3)

A basic survey of chemical and non-chemical addictions. Upon completion of the course, students are knowledgeable with regard to the various types of addictions, theories of causation, and methods of prevention and control. **Prerequisite: PSY 117 or permission.**

PSY 234 Introduction to Counseling Theories and Techniques (3)

A course designed primarily for individuals who plan to use listening and attending skills in helping professions, such as mental health counseling,

human services, criminal justice, teaching, and health fields. This course is introductory in nature and includes consideration of theoretical approaches and in-class practice of skills used in counseling. **Prerequisite: PSY 117 or permission.**

PSY 255 Child and Adolescent Development (3)

A study of human development from the prenatal period through adolescence. Cognitive, emotional, and social development are considered. **Prerequisite: PSY 117, EDU 211, or permission.**

PSY 256 Adult Development (3)

A study of human development from young adulthood through old age. Cognitive, emotional, and social development are considered. **Prerequisite: PSY 117, EDU 211, or permission.**

PSY 259 Human Growth and Development (3)

The study of human physical, psychological, and social development from conception to death. Upon completion of the course, students will know and understand prominent human development theories and the primary stages of growth and development across the life span.

PSY 336 Social Psychology (3)

Studies in the relationships between individual and social spheres with attention to such issues as conformity, persuasion, self-justification, aggression, prejudice, and attraction. **Prerequisite: PSY 117 or SOC 109. (Cross-referenced with SOC 336.)**

PSY 365 Psychology of Personality (3)

A study of human individuality from various theoretical and empirical orientations. **Prerequisite: PSY 117.**

PSY 416 Abnormal Psychology (3)

Inquiry into abnormal behavior, its categories, causes, and treatments. **Prerequisite: Two courses in psychology or permission.**

Public Administration (PAD)

PAD 496 Senior Seminar for Public Administration (3)

With the guidance of a faculty member, students will develop a research or experiential project which will demonstrate the knowledge and skills expected upon completion of the major. Satisfactory completion of this project, including a written and oral presentation, will demonstrate a solid understanding of the major as well as the confidence and skills to work with existing and emerging aspects of the professional field, to do independent research and effectively problem solve and communicate. **Prerequisite: IDS 206, senior standing, and permission.**

Social Science (SSI)

SSI 217 Applied Statistics for Social Science (3)

An introduction to descriptive and inferential statistics. Areas of study include data collection and organization, measures of central tendency and variability, percentiles, probability, binomial and normal distributions, correlation, t-tests, analysis of variance, and non-parametric statistics. Application is oriented toward the social sciences.

Sociology (SOC)

SOC 109 Introduction to Sociology (3)

An introduction to the systematic study of society in terms of social organization, processes, institutions, and relationships.

SOC 308 Cultural Anthropology (3)

An anthropological investigation of the meaning, content, and acquisition of the ways of thinking, doing and behaving as individuals in society. **This course fulfills the Cultural Perspectives requirement of the Doane Plan. (Cross-referenced with ANT 308.)**

SOC 314 Criminal Law and Procedure (3)

An overview of the law which governs the United States criminal justice system, including policy procedures, criminal offenses, common law crimes and criminal defenses. **Prerequisite: Sophomore standing.**

SOC 324 Race and Nationality (3)

A study of racial and cultural minorities, with special emphasis on intergroup, racial, and ethnic relations. This course examines myths, doctrines, and movements, and reviews the processes and consequences of conflict, discrimination, and prejudice. **This course fulfills the Cultural Perspectives requirement of the Doane Plan.**

SOC 336 Social Psychology (3)

Studies in the relationships between individual and social spheres with attention to such issues as conformity, persuasion, self-justification, aggression, prejudice, and attraction. **Prerequisite: PSY 117 or SOC 109. (Cross-referenced with PSY 336.)**

SOC 366 Marriage and Family Relationships (3)

A study of human kinship processes and the various communal forms associated with intimacy, marital bonding, and parenthood.

Theatre (THE)

THE 101 Introduction to Theatre (3)

A survey of the theatre as it relates to the viewer of today with investigation of theatre forms and traditions, film, and television.

THE 103 Acting I (3)

An introduction to the tools of acting, concentrating on the skills of voice, movement, and improvisation.

THE 112 Oral Interpretation (3)

Fundamental principles of the oral interpretation of literature surveying prose, poetry, and the drama.

THE 207 Advanced Acting (3)

A concentration on the acting process and character interpretation. The course will build on the skills that have developed in Theatre 103.

Prerequisite: THE 103 or permission.