

Cooperative Education (CED)

200 Career Life Planning Seminar (0-1)

Development of decision-making and goal-setting skills as they relate to the career planning process. The process includes developing self-awareness, conducting career research, acquiring decision-making skills, and setting career and educational goals. (*Pass/Fail*)

The Doane Learning Course (DLC)

DLC provides instruction in college reading efficiency, writing, and mathematical skills. A student may register for a DLC at the beginning of a term or any time prior to the first day of each session. Students receive letter grades in these courses.

090 Computational Skills (3)

An accelerated algebra program designed to bring students who are weak in mathematical skills to a competency level allowing for college success. **Does not apply to minimum degree requirements. Prerequisite: Permission.** *NOTE: All students must demonstrate adequate basic computational skills before enrolling in any mathematics course numbered 100 or above. This requirement may be met in one of the following ways:*

1. By attaining an enhanced ACT-math score of 19 or higher
2. By attaining an SAT-math score of 400 or higher
3. By completing DLC 090 with a grade of C- or higher
4. By passing Doane's Computational Skills Test.

101 Reading Skills Development (3)

A developmental course to enhance college-level reading skills. Reading experiences encompass a wide variety of forms and topics, such as reading analytically and critically. Students also become familiar with various writing strategies and techniques.

116 Writing Skills (3)

An intensive writing course designed to improve basic skills in college-level composition.

Economics (ECO)

203 Macroeconomics and Literacy (3)

The successful operation of modern economics depends on the participation of economically literate citizens. An economically literate citizen should be able to identify problems, gather relevant information, weigh costs and benefits, analyze incentives, and make choices. Students successfully completing this course will be able to comprehend and use basic economic concepts, interpret major macroeconomic statistics, explain how both monetary and fiscal policy can be used to stabilize the economy, and discuss macroeconomic issues.

204 Microeconomics and Business (3)

An introduction to basic concepts governing the operation of the microeconomy, with specific emphasis placed on understanding microeconomic theory, policy, and issues as they relate to business decision-making. Students successfully completing this course will be able to comprehend the workings of the supply and demand model from both a graphical and mathematical perspective, explain the role that elasticity plays in the supply and demand model and know how to calculate and interpret various elasticities, understand utility maximization and the theory of consumer behavior, explain how cost structures differ in the short run and the long run, analyze various market structures in terms of their economic performance, and understand the workings of the various factor markets. *Prerequisite: Economics 203.*

306 International Trade and Development (3)

An examination of current theories of international trade and economic development. The focus of this course is on contemporary issues in international economics. Students successfully completing this course will be able to: 1) demonstrate the working and application of partial- and general-equilibrium models of international trade; 2) explain the concept of comparative advantage and its determinants; 3) evaluate the effects of international trade policies on economic welfare and relevant markets; and 4) apply the theoretical material to critically evaluate real world issues in international trade. *Prerequisite: Economics 203.*

307 Money and Banking (3)

An examination of the history of the U.S. banking system, with special emphasis on the history, purpose, and functions of the Federal Reserve System. The tools and techniques of monetary policy will also be addressed. Students completing this course will be able to: 1) understand basic monetary concepts and frameworks including the role of money and financial institutions and financial markets; 2) critically examine and analyze the business of banking and the role of government regulation of the banking industry; and 3) describe and evaluate Federal Reserve monetary policy in both a domestic and international setting. *Prerequisite: Economics 203. (Cross-referenced with Business 307.)*

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 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: Economics 203. (Cross-referenced with Political Science 308.)*

309 Environmental Economics (3)

An examination of the relationship between economic analysis and the quality of the natural environment in which we live. Students successfully completing this course will be able to: 1) understand economic theory and terminology as they relate to issues of environmental quality; 2) apply economic theory, where appropriate, to various environmental problems; 3) comprehend the interactions between both the private and public sectors in the struggle to find workable solutions to environmental problems; 4) appreciate the global dimension of environmental issues; and 5) analyze and evaluate environmental policy proposals to determine feasible solutions.

Prerequisite: Economics 203.

314 Industrial Organization (3)

An examination of the structures of industrial markets, the influence of such structures on the conduct and performance of firms operating in these markets, and how these markets affect the functioning of the economy as a whole. The evolution of the public policy response will also be addressed. Students completing this course will be able to: 1) understand basic market structures including perfect competition, pure monopoly, and oligopoly with special emphasis on the role of strategy in firm decision-making; 2) describe and evaluate the tools and techniques for developing and enhancing monopoly power; 3) critically examine and analyze industrial organization theory; and 4) explain and evaluate both anti-trust law and government regulation as responses to both the accumulation and exercise of monopoly power. *Prerequisite: Economics 203.*

347 Comparative Economic Systems (3)

Introduces the philosophies, institutions, and methodologies used to study various economic systems around the world. Special emphasis is placed on the historical factors shaping each economic system, along with an examination of current trends and problems. Students successfully completing this course will be able to: 1) explain the role of institutions, values, and beliefs in the development of economic systems; 2) demonstrate the use and limitations of economic data to compare economic systems; and 3) apply a theoretical framework to an analysis of an economic system. *Prerequisite: Economics 203.*

Education (EDU)**280 Higher Education for Adult Learners (2)**

The development of a learning plan through knowledge of how to use the resources of higher education. Students also learn the theory and function of higher education in America, clarify individual values and educational goals, increase appreciation of strengths and worth as a learner, and create a portfolio of life and career accomplishments for submission to faculty evaluators for award of credit. *(Pass/Fail)*

338 Children, Youth, and the Family (3)

A study of human development based on the theory that primary caregivers have the greatest influence on the growth and development of both children and adolescents. The course covers human development of children and youth with a strong orientation to the contexts of family, parenting styles, school programs, and other vehicles of socialization.

481, 581 Selection and Development of Educational Leaders (3) (3)

A study of the theory and practice of the selection and development of effective teachers and administrators, utilizing the Teacher Perceiver Interview and analysis process; development of skills and knowledge enabling individuals to use the process and achieve certification and professional competence. Demonstration of competence is evaluated by assessment of performance according to standards in actual situations. **Candidates for graduate degrees at other institutions should confirm transferability prior to enrolling. (Pass/Fail.)** NOTE: A grade of "Pass" represents an evaluation of "B" or better.

483, 583 Seminar in Perceiver Analysis (2) (2)

Developing individual growth plans for teacher effectiveness; synthesis of the principles of Teacher Perceiver Interview; preparation of a teacher portrait and the feedback process. **Candidates for graduate degrees at other institutions should confirm transferability prior to enrolling. Prerequisite: Education 481 or 581. (Pass/Fail.)** NOTE: A grade of "Pass" represents an evaluation of "B" or better.

580 Development of Education Specialists (3)

A study of the theory and practice of student strength assessment to determine more effective ways to accomplish learning and individual development and growth. Demonstration of competence is evaluated by assessment of performance according to standards in actual situations. *(Pass/Fail.)* NOTE: A grade of "Pass" represents an evaluation of "B" or better.

English (ENG)**101 Writing Seminar (3)**

A writing intensive course designed to enhance the quality of critical thinking and the knowledge of writing. A variety of texts are interpreted, and critical responses are written, using one or more literary forms. The student increases breadth and depth of critical thinking and knowledge of writing. *Prerequisite: All students must demonstrate adequate basic skills before enrolling in English 101.*

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 Mass Communication 113.*)

201 Intermediate Writing (3)

Experience and instruction for students seeking further development of expository writing skills. *Prerequisite: English 101 or permission.*

237 Introduction to Fiction (3)

Reading and study of various authors and forms of fiction (such as short story, novella, novel), with attention to historical development and critical terminology.

301 Women Writers (3)

Poetry, fiction, diaries, letters, plays from ancient times to the present and from several cultures, including 11th and 20th century Japan.

329 Great Plains Studies (3)

An interdisciplinary examination of the cultures of the Great Plains, including Canada, through discussions of literature, arts, (including architecture), history, religions, mythology, and folklore. The geography, which gives the Great Plains its sense of place as well as its current issues concerning future development, is also examined. The outcome for students of the course should be an enhanced perspective on this part of North America, where Doane College is located. **This course fulfills the Cultural Perspectives requirement of the Doane Plan.**

Fine Arts (FAR)

103 Introduction to Fine Arts: Music (3)

An introduction to the art of music as an expression of the cultures of civilizations, both East and West, through selected examples of music literature.

281 Introduction to Fine Arts: Performing Arts (3)

An introduction to fine arts with emphasis on appreciation of the visual and the performing arts from the audience perspective.

Geology (GEO)

101 Environmental Geology (3)

An examination of how geologic processes and hazards influence human activities. The geologic aspects of earth resources and environmental issues related to water, soils, minerals, and fossil fuels are investigated. Hazards such as earthquakes, landslides, flooding, volcanism, and surface deformation are included. A geologic framework for environmental issues, including rocks and minerals, tectonic processes, and geologic time is provided. Upon successful completion of this course, students will demonstrate an understanding of the structure and dynamics of geology, as well as the natural and human-induced changes in geologic systems.

103 Physical Geology (4)

A study of the earth including earth materials, processes of weathering and erosion, and processes acting to elevate earth surfaces. Lecture and laboratory. Study includes oceanography.

104 Historical Geology (4)

An introduction to paleontology and the geological development of North America. Topics addressed include stratigraphy, vertebrate and invertebrate paleontology, paleobotany, structural geology, plate tectonics and some theoretical aspects of biological evolution as supported by fossils. Lecture and laboratory.

107 Introduction to Meteorology (3)

An introduction to the principles of meteorology. Study of weather, climate, paleoclimate, and instruments used in the field. Upon successful completion of this course, students will have an understanding of the principles that govern the circulation of the atmosphere and the short and long term sequences of weather events.

Graphic Design (GRD)**228 Typography (3)**

An introduction to lettering and type as a means of visual communication. Students learn basic type measurement, fonts and their application, and the use of type as a design element. *Prerequisite: Computer competency.*

237 Multi-dimensional Design (3)

A continuation of the study of design theory, preparing students to create multi-dimensional design projects. Students will learn how to apply the principles of design and color theory to mock-ups of three-dimensional package designs. *Prerequisites: Art 107 and Art 235.*

241 Graphic Design and Layout (3)

An introduction to the principles and practices of layout and graphic design, the relationship between type and image, and the development of multiple solutions to a given problem, with a focus on visual thinking. Students learn traditional layout tools and techniques, design and layout theories as they apply to print media, and the creative process of designing a printed piece from start to finish. *Prerequisites: Art 207, Graphic Design 237.*

252 History of Graphic Design (3)

A course which traces the history of graphic design from its origins to modern times. Students learn to analyze and critique the work of the artists who developed the foundation for contemporary styles and major trends in graphic design.

258 Introduction to Computer Graphics (3)

A course designed to begin development of the knowledge and skills necessary to use computer software to create graphics and documents.

Upon completion of the course, students will understand how a computer and its devices work and will have a basic understanding of various software used for the purpose of graphic design. *Prerequisite: Graphic Design 241.*

315 Graphic Design I (3)

The application of principles of graphic design and the appropriate software programs to print media for advertising, publications, and corporate communication. Students develop design solutions that respond appropriately to stated criteria and are conceptually sound and perceptively inventive. *Prerequisite: Art 356, Graphic Design 228, 258.*

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.*

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: Graphic Design 316.*

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: Graphic Design 415.*

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)

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.

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.

298, 398, 498 Honors in History (1-3) (1-3) (1-3)

Advanced academic preparation for students who have demonstrated outstanding academic performance in the discipline. Opportunities may take several forms: reading projects, teaching and tutorial assistance in courses, research and writing. Students successfully completing an honors project will demonstrate increased professional knowledge and a deeper understanding of disciplinary conventions. Students may complete two courses at each level. *Prerequisite: Permission.*

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).

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.

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 com-

plete 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 Political Science 306. Offered alternate fall terms.

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. Offered alternate fall terms.

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 International Studies 314.*

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. Offered alternate interterms.

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.

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.**

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 Political Science 329.*

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.

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 di-

vided 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.

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 Political Science 342.*

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.

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.

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 International Studies 349.*

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.

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 Political Science 353.*

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)**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.

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: Psychology 219 or permission.*

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.

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: Speech Communication 112 and Psychology 234.*

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: Psychology 219 or permission.*

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: Psychology 219 or permission.*

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 Business 331.)*

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 Business 415.)*

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: Psychology 234.*

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)*

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: Psychology 234.*

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: Interdisciplinary Studies 206, Business 215 or Social Science 217, senior standing, and permission.*

Information Science and Technology (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: Information Science and Technolgy 145.*

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.*

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)

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: Information Systems Management 100. (Students may demonstrate competence to fulfill this requirement.)*

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: Information Systems Management 101 or competence and Mathematics 115.**

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.)*

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: Information Systems Management 201. (This is Microsoft course #2152.)*

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: Information Systems Management 100.*

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: Information Systems Management 102 or competence.*

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.

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: Information Systems Management 202. (This is Microsoft course #2153.)*

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: Pre-*

requisite: Information Systems Management 301. (This is Microsoft course #2154.)

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: Information Systems Management 102 or competence.*

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.*

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: Information Systems Management 102.*

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: Information Systems Management 325.*

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: Information Systems Management 253.*

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 trouble shooting and technical support as students explore network performance measurement issues. *Prerequisite: Information Systems Management 253, 342, or competence.*

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: Information Systems Management 302 or permission. (This is Microsoft course #1561.)*

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: Information Systems Management 302 or permission. (This is Microsoft course #1562.)*

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: Information Systems Management 302 or permission. (This is Microsoft course #2150.)*

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: Information Systems Management 302 or permission. (This is Microsoft course #832.)*

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: Information Systems Management 302 or permission. (This is Microsoft course #836.)*

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: Business 242.*

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)*

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: Information Systems Management 253, 342, 358, or competence.*

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: Information Systems Management 215 or permission.*

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: Interdisciplinary Studies 206, senior standing, and permission.*

Interdisciplinary Studies (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)*

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 spell-

ing, and will begin development of an understanding of the culture of the deaf.

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)

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 History 314.*)

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.**

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 History 349.

Mathematics (MTH)

103 Mathematics and the Imagination (3)

An introductory liberal arts course emphasizing the many uses and practical applications of mathematics.

107 Problem Solving (3)

A survey of a wide variety of problem solving strategies deemphasizing algebraic skills and concepts. 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.

108 Modeling and Applications (3)

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.

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 Mathematics 107 or 108.*

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 Mathematics 107 or 108.*

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 Mathematics 125.*

Music (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)

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.

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.

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: Paralegal Studies 121.*

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: Paralegal Studies 121, 205.*

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: Paralegal Studies 121, 233.*

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.

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: Paralegal Studies 205, 233.*

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.

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.

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: Paralegal Studies 221.*

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.*

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: Paralegal Studies 412, senior standing, and permission.*

Philosophy (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.

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, stu-

dents 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)

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.

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.

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.

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.

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.

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)

101 Physical Activity Course (1)

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

104 Theory of Lifetime Fitness (1)

A course providing students with knowledge of how to stay fit through-

out 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.

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)

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)

101 American Politics (3)

An analysis of American political institutions and behavior.

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.

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.

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.

234 Legislative and Executive Behavior (3)

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

243 Contemporary Political Issues (3)

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

**271, 371, 471 Selected Topics in Public Administration (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.

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 History 306.*)

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: Economics 203. (Cross-referenced with Economics 308.)*

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.

323 State and Local Politics (3)

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

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.

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 History 329.)

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 History 342.)

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 History 353.)

421 Governmental Internship (0-3)

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

Psychology (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.

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: Psychology 117 or permission.*

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: Psychology 117 or permission.*

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: Psychology 117, Education 211, or permission.*

256 Adult Development (3)

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

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.

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: Psychology 117 or Sociology 109. (Cross-referenced with Sociology 336.)*

365 Psychology of Personality (3)

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

416 Abnormal Psychology (3)

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

Public Administration (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: Interdisciplinary Studies 206, senior standing, and permission.*

Social Science (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)

109 Introduction to Sociology (3)

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

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 Anthropology 308.)*

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.*

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.**

336 Social Psychology (3)

Studies in the relationships between individual and social spheres with attention to such issues as conformity, persuasion, self-justification, ag-

gression, prejudice, and attraction. *Prerequisite: Psychology 117 or Sociology 109. (Cross-referenced with Psychology 336.)*

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)

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.

103 Acting I (3)

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

112 Oral Interpretation (3)

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

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: Theatre 103 or permission.*

Alcohol/Drug Abuse Counselor Certification

Title 209, Regulations for Certifying Alcohol/Drug Abuse Counselors, became effective in Nebraska May 27, 1992. Under the regulations of Title 209, coursework in certain areas is a part of the requirement for certification as an Alcohol/Drug Abuse Counselor. Listed below are the educational content areas required by the state and the Doane courses approved to meet those content areas.

Content Courses	Doane Courses
Counseling Theories and Techniques	PSY 234 Counseling Psychology (3)
Human Growth and Development	PSY 255 Child and Adolescent Development (3) PSY 256 Adult Development (3)
Group Counseling	CMS 112 Small Group Communication (3) HRE 315 Group Counseling (3)
Professional Ethics and Issues	HRE 428 Professional Ethics and Issues (3)
Case Planning and Management	HRE 232 Case Planning and Management (3)
Multicultural Counseling	HRE 417 Multicultural Counseling (3)
Medical and Psychosocial Aspects of Alcohol/Drug Use, Abuse, Addiction	PSY 219 Addictions (3) HRE 317 Psychopharmacology (2)
Clinical Treatment Issues in Chemical Dependence	HRE 321 Clinical Treatment Issues in Chemical Dependency (3)

In addition to the coursework listed above, Nebraska Alcohol/Drug Certification requires:

1. 6,000 hours of counseling experience under the supervision of currently certified counselors (4,000 hours if an individual has a bachelor's degree).
2. National Certification Reciprocity examination.
3. Oral presentation before a State Board of Examiners.

For information or clarification of certification requirements other than coursework required, contact:

Department of Public Institutions
Division on Alcoholism and Drug Abuse / 402.471.2851

Drug and Alcohol Certification

The following Doane courses are approved by the State of Nebraska for certification of alcohol/drug abuse counselors:

Human Relations 232, 315, 317, 321, 417, 428

Speech Communication 112

Psychology 219, 234, 255, 256.

