

Davis & Elkins College
Winter Term 2008
Course Descriptions

***ACCT 275 Tax Return Preparation II** 2 semester hours
A continuation of the Volunteer Income Tax Assistance Program (VITA) which provides free tax help to people who cannot afford professional assistance. The program will include non-traditional hours at various community locations. The course may be repeated for credit. **Note:** Students must pass IRS certification exam before they can prepare taxes at various community locations. **Prerequisite:** ACCT-216 or permission of the instructor. **Fulfills:** Accounting major elective.

BIOL 273 Wolf and Lynx Ecology in Northern Minnesota 4 semester hours
This course covers a broad range of topics related to wildlife. The focus will be the gray wolf, lynx and the white-tailed deer, but all animals directly or indirectly associated with or affected by these predators or prey may be included. The course is field-oriented and includes opportunities for backcountry travel, wildlife observation and tracking, as well as an introduction to habitats, how wildlife respond to natural and artificial disturbance and human factors. Additional topics include wildlife research techniques, data acquisition and analysis, as well as management practices. For more information on the center see <http://www.auduboncollege.org>. **Note:** Cost for the course is approximately \$1,500.00 (includes instruction, most meals and transportation to study sites). The fee is subject to change before the deposit is due. Students are responsible for travel costs to and from the Center. Shuttle service from the Minneapolis/St. Paul airport may be arranged with the Center for an additional \$40 fee. A \$100 non-refundable deposit is due by October 1, with the final non-refundable payment due November 1. The course fees will be paid directly to the Audubon Center of the North Woods. Students wanting to make arrangements through the Financial Planning office for the course fees need to do so well in advance of the due dates. The course will be taught using oral and written quizzes, discussion of assigned readings, instructor assessment of student participation and competency, instructor assessment of practical skill demonstration and competency and a final exam. **Fulfills:** 4 hours General Education Natural Science with lab or 4 hours Biology or Environmental Science elective. May also be used to fulfill 1 hour of PHED 104; Physical Activities.

***BIOL 220 Introduction to Neuroscience** 4 semester hours
A survey of the organization and function of the human nervous system, from molecules and cells to cognition and behavior. A primary objective of the course is to demonstrate the physiological basis of human behaviors such as addiction, dyslexia and depression. The course will be taught using a combination of lecture, lab activity, class discussion and clinical case analysis. **Prerequisite:** BIOL 101 or PSYC 101. **Fulfills:** Natural Science with lab or Biology or Environmental Science elective.

***BUSI 235 Introduction to E-Commerce** 3 semester hours

The course is designed to provide an introduction to the framework of E-Commerce including the Web, Internet and business transactions. Applications, business models, customer interface, strategy implementation, infrastructure, public policy, security and terminology are included. M-Commerce and wireless networks for communicating in business are included. **Fulfills:** General Education computer literacy requirement and could be a substitute for BUSI 231.

CHEM/HONR 174/274 Forensic Chemistry 4 semester hours

Forensic science, the application of scientific principles to criminal and civil laws within a criminal justice system with the goal toward the establishment of guilt or innocence, has had an enormous impact on the definition and enforcement of the laws enacted to regulate society. This course will introduce some of the specialized fields of forensic science and provide some of the fundamental principles of science and technology upon which they are based. Aspects of forensic science involving the examination of physical, chemical and biological items of evidence will be explored. This course will also provide students with an opportunity to develop a basic understanding of forensic science and to learn about the application of forensic science. The activities on each day include lecture, discussion and laboratory exercises. **Prerequisites:** 174, none; 274, CHEM 122 and 123. **Fulfills:** 174, General Education Natural Science with a lab requirement and Honors requirement; 274, Chemistry elective and Honors requirement.

CRIM 170 Criminal Justice in Film 3 semester hours

This is a course built around the genre “criminal justice movies” which presents a pleasurable forum for examining several different aspects of the criminal justice system, law, courtroom procedure, as well as providing the venue for debating the “hot” issues prevalent in our society today: crime, law, corrections, punishment, justice, morality and the social conventions that holds us together. The course will take a historical, as well as a present perspective, of crime in our society. This course will have several pedagogical approaches, including some lecture, but mainly class discussion. The class will view films which will lead to class discussion and dialogue on a number of issues. The course will have a text. The course will attempt to enhance the student’s critical thinking process, writing and oral skills development. **Fulfills:** General Education Social Science requirement.

CSCI 171 Problem Solving Machines 3 semester hours

In this course, students will build and use simple computing devices from a variety of materials including: Lego bricks and similar construction toys, plumbing supplies, and simple electronic devices. Students will work in design teams, drawing ideas from a study of early historical devices such as Pascal’s calculator and Babbage’s analytical engine. Through hands-on activities, students will develop an understanding of machine data representations and fundamentals of digital logic. Next, students will examine and use early microcomputers such as the Apple II and Commodore 64 in order to see the fundamental concepts scaled up to the level of complex systems. Students will explore the components of contemporary personal computers and learn basic maintenance and troubleshooting skills. Finally, software-based lab activities will present the concepts

programmable machines for general problem solving. In the early part of the course, student attempts (both failures and successes) to build simple computing devices will develop an understanding of logic gates and binary representation. In the later part of the course, students will disassemble more complex computing machinery to understand how the simple building blocks are scaled up into useful systems. Background information for these efforts will be provided from students' Internet research and from a few lectures.

Fulfills: Computer Literacy requirement.

CSCI 271 Problem Solving Machines 3 semester hours

Students enrolled in this course attend class meetings and participate in all activities for CSCI 171, (the 100 level course). Under direction from the instructor, students will act as lab assistants to the 171 course. Specific responsibilities will include: mentoring 171 design teams, producing written technical documentation of the early microcomputers used in the course, writing demonstration programs for the early microcomputers and demonstrating PC maintenance and troubleshooting skills. In the early part of the course, student attempts (both failures and successes) to build simple computing devices will develop an understanding of logic gates and binary representation. In the later part of the course, students will disassemble more complex computing machinery to understand how the simple building blocks are scaled up into useful systems. Background information for these efforts will be provided from students' Internet research and from a few lectures.

Prerequisite: CSCI 101. **Fulfills:** Computer Science elective.

ECON 270 Current Issues in Economics 3 semester hours

Introduce important and compelling economic issues which are designed to stimulate critical thinking and initiate informed discussions. The course will be taught through lecture, writing a research paper, in-class presentations, and discussions/debates.

Fulfills: Economics elective.

EDUC 271 Diversity in American Schools 3 semester hours

The class will focus on demographics, issues and challenges of diversity, including socioeconomic, in American schools and teaching strategies to guide and support diverse student learning. Methods of teaching the course include lecture, discussion, reading and seminars. **Note:** Course requires a \$100 fee and a two-day trip to Pittsburgh.

Prerequisite: EDUC-209 & 210. **Fulfills:** Diversity Experience in the Education major (now required for Education majors).

ENGL 278 Writing the Environment 3 semester hours

Henry David Thoreau asks "What is a course of history or philosophy, or poetry, no matter how well selected, or the best society, or the most admirable routine of life, compared with the discipline of looking always at what is to be seen? Will you be a reader, a student merely, or a seer?" (*Walden*). When traveling to a wilderness area, survival instincts take over and we become as alert as cats. The task is to pay attention to details of place, and to record what you experience as both a participant and observer. However, in the twenty-first century those observations inevitably include the impact of the human environment on the natural level. Specifically, students will keep a 20-day journal for the three weeks, totaling a minimum of 50 pages, the bulk of which will focus

on an 8-day canoeing and hiking Fieldwork-Outdoor Leadership course. The journal will be arranged as a descriptive chronological narrative of events. Specifically, this journal will include specific digressions that indicate a deep sense of place and explore environmental issues: geologic, cultural and environmental history of the Black Canyon of the Colorado River; flora and fauna of this area; portrait/character sketches; oral narratives; dreams; sounds, smells and so on. Upon return, students will be asked to shape a section or sections of their journal and write an essay about the environment. The class will also produce and perform a narrative and pictorial presentation for the campus community. **Note:** Tentatively, we will depart campus on Monday, January 7th (exact dates are unknown until tickets are purchased) for Las Vegas, Nevada by airplane and on toward Boulder Beach Campground located within the Lake Mead National Recreation Area. On Tuesday, January 8th we will launch canoes into the Black Canyon of the Colorado River below the Hoover dam for eight days of exploring the natural environment via canoe and day hiking as we paddle from Hoover Dam to Placer Cove (approximately 30 miles). We will come off the river and return to Boulder Beach Campground on Wednesday, January 16th via the outfitter and travel from the campground to the airport to catch a 12:00 midnight flight to Pittsburgh on Thursday, January 17th. We will arrive in Pittsburgh at 7:00 a.m. on the 17th and return to campus. Cost of the trip will be between \$900 - \$950 (depending on enrollment). **Prerequisites:** ENGL-101/102 or permission of instructor. **Fulfills:** General Education Performing Arts Course (3 semester hours) and PHED 104 (.5 semester hours) or 200 level course for the English Major and PHED104 (.5 semester hours).

GNST 174 Voodoo Science 3 semester hours

This course will allow students to develop critical thinking skills while examining topics in pseudoscience. Pseudoscience involves topics which cannot be proven by good scientific procedures. Some of these include alien abduction, out of body experiences, homeopathy, psychic readings, UFO's, and faith healings to name a few. The psychology behind the reasons people believe in such things will also be examined. The course will be taught through lecture and class discussions. We will also watch videos of paranormal phenomena and critique their validity. In addition, some field trips to haunted houses and to see psychics are in the works. **Fulfills:** Elective credit for graduation.

GNST 271 Kenyan Mission 3 semester hours

Students will spend two weeks in Kenya with some instruction in the culture before and during the trip. The course will be taught mostly by experiencing mission situations in schools, hospitals, etc. **NOTE:** Travel plans are being worked out and could possibly include potential funders. **Fulfills:** Global Cultural Studies requirement.

GNST 375 Student Designed Experience 3-4 semester hours

Proposal required for registration in this course. This provides an opportunity for students to design their own off-campus Winter Term experience. The student determines their educational goals for the experience and develops a plan to accomplish them. The plan might include attending a structured program run by an agency or organization or it might include extensive individual travel. Working with a faculty

sponsor the interested student develops a proposal to be submitted for review and approval to the Vice President for Academic Affairs and Curriculum Committee. **Note:** Interested students should contact the Academic Affairs Office (LA 106) for a copy of the policies, procedures and proposal form. **Fulfills:** Will be part of the proposal and depends on the experience.

HIST 272 The 2008 Election: The Primaries 3 semester hours
The course will speculate on the prospective nominees of the Democratic and Republican parties. It will be a history of the nomination process, as well as an analysis of contemporary history from 1960 to present. The course will be taught by lecture, independent research (each student will select a candidate and plot a strategy) and there will be speculations on who wins. **Note:** There may or may not be a field trip involved. **Fulfills:** General Education requirement in History or History major elective.

Honors (HONR) courses – see
CHEM/HONR 174/274 Forensic Chemistry
PSYC/HONR 225 Psychology and Film

HOSP 171 Hispanic Gastronomy 3 semester hours
This course examines the diversity of Hispanic culture through the study of food preparation and consumption. Historical, geographic, ethnic, and economic factors will be discussed in order to provide a contextual framework. Students will prepare and sample foods specific to the regions of study which include Spain and Latin America. Items used in the preparations, styles and techniques will also show “insight” into the culture. The course will be hands-on with exploration and research. Preparation of cuisine from different regions, lecturing, food sampling, final test and journal of class, recipes and areas of cuisine explored. **Note:** Course will require a \$100 lab fee and request from students as to allergies to foods. **Fulfills:** General Education Global Cultural Studies requirement and/or Spanish or Hospitality elective.

***HOSP 310 Resort Management** 3 semester hours
Explore and study how a resort is developed and managed. After completion of this course a student will be able to understand how to manage a resort. The class will travel to three or four resorts, staying overnight at two resorts. They will meet with a panel of managers from each resort. The class will be taught with lectures, group projects and field trips. **Note:** Course will require a \$400 fee for travel to resorts and will be due first day of class. Students can use financial aid to pay for this course. **Prerequisite:** HOSP-101 or permission of instructor. **Fulfills:** Hospitality major requirement.

***MATH 104 Logic** 3 semester hours
An introduction to the problems principles and techniques of sound reasoning. Deals with deductive logic (including symbolic), inductive logic, and with informal logic. **Fulfills:** General Education Mathematics requirement.

***MGMT 395 Management Internship**

4 semester hours

An integrated class-and-intern experience program designed to give the major in management greater insight into current policies, procedures, and problems of management. In addition to the regular class work, students will participate in approximately 75 hours of work experience in the management field under the supervision of businesspersons and the class instructor. This course is an integrated class and experience program. Students will be in the classroom in the mornings and will gain experience with a business in the afternoons and weekends. Numerous speakers will visit the class to give them insight into business. **Note:** Students will be working approximately 75 hours off campus with businesspersons. **Prerequisite:** BUSI-101 or permission of instructor. **Fulfills:** Business major requirement.

***MRKT 304 Marketing Management**

3 semester hours

A study of managerial considerations in marketing decisions, evaluation of alternatives of action, and strategy in profit terms, demand analysis, case studies in marketing, product development, distribution channels, pricing and promotion areas. The course will be taught using an Internet computer simulator, marketing plan development and current events. **Prerequisite:** Completion of 60 semester hours including MRKT-201 and an additional 18 hours from the area of Business Administration. **Fulfills:** Marketing major requirement.

***NURS 101 Transition Seminar**

1 semester hour

This course serves as a transition course for LPNs and transfer students entering the program. Emphasis is on role development and concepts related to change and transition from practical nurse to registered nurse. It introduces the nursing process as a framework for the delivery of nursing care. The course will be taught through lecture with PowerPoint presentations, seminars, assignments and the ERI Critical Thinking Exam will be administered. **Prerequisite:** Admission to the nursing program. **Fulfills:** Nursing major requirement.

***NURS 103 Maternity Nursing
(Theory)**

2 semester hours

This course focuses on the promotion of health in the childbearing family. Man is viewed in the context of family as the student begins to look at family interactions. Common, well-defined phenomena of the antepartal, intrapartal, postpartal and neonatal periods are presented. Caring interventions promote optimum health outcomes for the childbearing family. The course will be taught with lecture, audiovisual presentations, discussions, programmed instruction, examinations and evaluations. **Note:** Students will receive an In-Progress (IP) grade until both theory and clinicals are completed during the spring semester. **Prerequisite:** NURS-100, BIOL-107 and PSYC-200. **Fulfills:** Nursing major requirement.

***NURS 215 Nursing Issues Seminar**

2 semester hours

This course explores the major issues and trends that impact nurses and the nursing profession. The role of manager of care becomes the focus as the concepts of leadership

and management are emphasized. There is emphasis on the comprehensive role of the Associate Degree nurse and the demonstration of the standards of professional conduct and competence. The class is taught through lecture, discussion, oral reports and videos. **Note:** Required of second year nursing students. **Prerequisite:** NURS-203, NURS-205 and BIOL-208. **Fulfills:** Nursing major requirement.

PHED 172 Fitness & Physical Conditioning for Life 2 semester hours

The course will combine the Fitness for Life course and three physical activity courses. We will engage in fitness testing, we will also discuss and develop physical conditioning programs; aerobic, resistance and flexibility training. A national analysis will be completed and other health benefits of physical activity will be studied. We will also tour local fitness centers. Attendance and participation is very important. The class will be taught with lecture, fitness testing and physical activities. **Fulfills:** General Education Physical Education Activities courses (PHED-101 & 104 – count as 3).

PHL 170 Brother's Keeper: The Ethics of Help 3 semester hours

What do human beings owe other human beings? Nothing, or the shirts off their backs? Philosophers and religious teachers have offered both these answers to this question (as well as many answers in between). Several on-campus seminar meetings will explore the answers afforded this question as they have been formulated within a variety of different ethical traditions. The course will center around an extensive off campus group, volunteer service experience during which students will explore and reflect on ethical traditions through their experience of helping others. (Students should expect to work a minimum of five, eight-hour days while off campus and to participate in evening discussions. The level of accommodations and meals will vary widely). The course will be taught with on campus classroom meetings (with a mixture of lectures and discussion) preceding and following the 7-10 day off campus volunteer project. **Note:** Students will participate collectively in an off campus volunteer project. Food and lodging will be provided by agencies coordinating projects. A fee of no more than \$150 should cover any transportation and other costs. **Fulfills:** General Education Philosophy requirement.

PHYS 170 How Things Work 3 semester hours

This course will unravel the mysteries of how things work using familiar examples from everyday life and modern technology. We will examine the science behind the object or phenomena and learn the principle that guides it. The course will be taught in a hands-on learning environment where students discover the principles and laws of nature by making hypothesis and experimentally checking their predictions. **Fulfills:** Natural Science without lab requirement.

POLS 170 Politics of Developing Countries 3 semester hours

This course will focus on the government and politics of developing countries in Asia, Africa and Latin America, such as China, Nigeria and Brazil. The course will be taught with lectures, readings and discussion. **Fulfills:** Global Cultural Studies and/or Social Science requirement.

***PSYC/HONR 225 Psychology and Film** 3 semester hours

This seminar will use film as a medium to investigate psychological themes, including psychopathology development over the life cycle, family dynamics and themes as well as clinical treatment (mental institution and client-therapist relationships). There will be a focus on how changing social and scientific beliefs are reflected on film. The course will be taught with lectures, discussions, presentation of films and student projects. **Fulfills:** General Education Social Science or Psychology elective requirement.

RMTO 271 Outdoor Leadership Fieldwork 3 semester hours.

A unique fieldwork experience available for those who wish to explore guiding outdoor activities as a career or to hone their outdoor leadership skills in a mentored atmosphere conducive to experiential learning. Participants will work under the direction of the instructor to develop a seven to ten day backcountry/ wilderness outing for a concurrent winter term course. The participating student(s) will develop the outing over the course of the preceding fall term and co-lead the outing during the winter term. This offering is experiential in nature and presents the opportunity to apply outdoor leadership theory and practical skills in a real-world situation under the mentorship of the instructor.

Competencies will be presented and discussed with the participant at the onset of the fall semester. Weekly meetings will be used to direct the student and assess progress. A one-on-two to one-on-four ratio of mentor to student will be utilized to maintain desirable supervision and communication, yet not overwhelm the co-leader (RMTO student) to client (ENGL student) ratio. Pre-trip lecture sessions, discussion of readings, journaling for reflection and self-assessment, staged scenarios, small group discussions, and un-staged teachable moments will be utilized. **Note:** Tentatively, we will depart campus on Monday, January 7th (exact dates are unknown until tickets are purchased) for Las Vegas, Nevada by airplane and on toward Boulder Beach Campground located within the Lake Mead National Recreation Area. On Tuesday, January 8th we will launch canoes into the Black Canyon of the Colorado River below the Hoover dam for eight days of exploring the natural environment via canoe and day hiking as we paddle from Hoover Dam to Placer Cove (approximately 30 miles). We will come off the river and return to Boulder Beach Campground on Wednesday, January 16th via the outfitter and travel from the campground to the airport to catch a 12:00 midnight flight to Pittsburgh on Thursday, January 17th. We will arrive in Pittsburgh at 7:00 a.m. on the 17th and return to campus. Cost of the trip will be between \$900 and \$950 (depending on enrollment).

Prerequisites: RMTO 115 or permission of the instructor. **Fulfills:** RMTO 290 and 295 requirement.

SPAN 171 Hispanic Gastronomy 3 semester hours

This course examines the diversity of Hispanic culture through the study of food preparation and consumption. Historical, geographic, ethnic, and economic factors will be discussed in order to provide a contextual framework. Students will prepare and sample foods specific to the regions of study which include Spain and Latin America. Items used in the preparations, styles and techniques will also show “insight” into the culture. The course will be hands-on with exploration and research. Preparation of cuisine from different regions, lecturing, food sampling, final test and journal of class, recipes and areas of cuisine explored. **Note:** Course will require a \$100 lab fee and request from students as to allergies to foods. **Fulfills:** General Education Global Cultural Studies requirement and/or Spanish or Hospitality elective.

THRE 172 Musical Theatre Boot Camp

3 semester hours

A three-week intensive workshop covering three of the major components of Musical Theatre Performance: Acting for Music Theatre, Singing for Musical Theatre and Musical Theatre Dance. This high energy and challenging workshop is designed for the beginner, as well as the experienced, performer. Daily classes in dance, voice and acting will focus on developing the physical, vocal and presentation skills specifically demanded of the Musical Theatre performer. Materials will be selected from both current and historical Broadway-style repertoire. The class will culminate in the performance of a musical theatre showcase for an invited audience. This workshop will be co-taught by a 3 person team which will include Assistant Professor of Theatre: April Daras, the current vocal director and a guest choreographer/dance instructor. Daily classes will demand active physical participation and performance. Through the introduction and application of daily exercises to selected performance materials, the student will develop an improved degree of physical and vocal expressiveness and precision, a vocabulary of commonly used terminology and a practical acting process for approaching the text of any song. **Fulfills:** General Education Fine & Performing Arts performance requirement or Theatre major requirement.

THRE 370 CADD for Theatre

3 semester hours

This course will act as Part II of THRE 219-Drafting for the Theatre. THRE 219 introduces the student to the principles of Computer-Aided Design and Drafting. The objective of this course is to provide the student with a structured environment in which to explore the capabilities of CADD software. This will include more advanced 2D drafting and working in a fully rendered 3D environment. As the use of CADD software in the entertainment industry becomes more prevalent, the necessity for entry-level workers to be familiar with it grows. This course will provide students with a more robust skill set and more materials for use in portfolio development. This course will be taught through hands-on application of specifically targeted skills. It will include a number of well-defined projects as well as student-choice assignments. **Prerequisites:** THRE 112 and 219. **Fulfills:** Theatre elective.