

Environmental Science – Energy Resources

8:30-9:20 a.m.

Kaufman, 179

The study of the origin, geologic occurrence, and distribution of petroleum, natural gas, coal, and uranium. Discussions include the evaluation and exploitation, economics, law, and the environmental impact of these resources and their alternatives, including geothermal, wind, solar, tidal, and ocean thermal power.

Psychology – Research Methods in Biological Psychology

8:30-9:20 a.m. and 9:30-10:20 a.m.

Rector Science Complex, James Hall, 1206

A comprehensive coverage of the research methods employed in the field of biopsychology. Students conduct research on the relationship between the nervous system and/or the endocrine system and human behavior.

Art History - An Introduction to the History of Art

9:30-10:20 a.m.

Weiss, 235

This course is a critical survey of western art beginning with the Ancient Near East (approximately 4000 B.C.) through the Gothic period in Europe (early 1300s). Emphasis will be placed on the analysis of style, subject-matter, and function within an historical context, and especially on the student's ability to develop skills in visual analysis. Developing appropriate vocabularies with which to discuss and analyze works of art and imagery will also be stressed, along with learning to evaluate scholarly interpretations of them.

International Business and Management - Fundamentals of Business

9:30-10:20 a.m.

Tome, 115

This course features an introductory focus on a wide range of business subjects including the following: business in a global environment; forms of business ownership including small businesses, partnerships, multinational and domestic corporations, joint ventures, and franchises; management decision making; ethics; marketing; accounting; management information systems; human resources; finance; business law; taxation; uses of the internet in business; and how all of the above are integrated into running a successful business. You will learn how a company gets ideas, develops products, raises money, makes its products, sells them and accounts for the money earned and spent.

International Business and Management - International Organizational Behavior

9:30-10:20 a.m. and 10:30-11:20 a.m.

Althouse, 207

This course looks at how human systems function within the structure of the organization and how individual and group behaviors affect collective organizational culture and organizational effectiveness. Students study individual, interpersonal, and group processes; the relationship between attitudes and behavior; ethical decision-making; and the management of organizational conflict and change. Approaches for developing leadership, managing conflict, communicating effectively, enhancing efficiency, and encouraging organizational adaptation to changing environments are explored. Examples taken from domestic and international organizations are used throughout the course.

Physics - Introductory Physics

9:30-10:20 a.m.

Tome, 101

An introduction to basic physics topics using the workshop method. This method combines inquiry-based cooperative learning with the comprehensive use of computer tools for data acquisition, data analysis and mathematical modeling. Kinematics, Newton's Laws of motion, conservation laws, rotational motion, and oscillations are studied during the first semester. Additional topics in chaos or nuclear radiation are introduced. Basic calculus concepts are used throughout the course.

Recommended for physical science, mathematics, and pre-engineering students and for biology majors preparing for graduate study.

Portuguese - Elementary Portuguese

9:30-10:20 a.m.

Bosler, 321

An intensive study of the fundamentals of Portuguese grammar, with special attention given to pronunciation and oral expression. Composition and literary and cultural readings.

Psychology - Introduction to Community Psychology

9:30-10:20 a.m. and 10:30-11:20 a.m.

Kauffman, 179

This course will provide an introduction to the field of community psychology--a field that focuses on persons-in-context and the ways that social issues, institutions, and settings impact individuals' mental health and wellbeing. In the course, we will: (a) review the historical underpinnings of community psychology; (b) examine the field's major tenets and theories, including its emphasis on understanding the role of the environment in human behavior; (c) explore the field's application to a range of clinical and social issues; and (d) emulate the field's commitment to the promotion of social change through research and action. This course is a Health Studies elective.

History - Middle East to 1750

10:30-11:20 a.m.

Denny, 203

The rise of Islam, the development of Islamic civilization in medieval times and its decline relative to Europe in the early modern era, 1500-1750.

INBM - Intermediate Financial Accounting Topics including International Perspectives

10:30-11:20 a.m.

Althouse, 204

This course is designed to deepen the students understanding of financial reporting practices and principles in accordance with Generally Accepted Accounting Principles (GAAP). Comparisons to International Financial Reporting Standards (IFRS) will also be introduced. The course will cover a more thorough understanding of the Balance Sheet and Income Statement. In addition, selected topics will include Statement of Cash Flows, Time Value of Money, Receivables, Liabilities, Stockholders Equity and Investments.

International Studies - Global Economy

10:30-11:20 a.m. and 11:30-12:20 a.m.

Althouse, 08

Concentration upon strategies pursued by nation states in their interaction with international business enterprises and nongovernmental organizations. Students will work from an interdisciplinary perspective, with case studies of episodes in U.S. economic history and of selected countries from Africa, Asia, Europe and Latin America. To facilitate their analysis, students will study concepts drawn from trade theory, commercial and industrial policy, balance of payments accounting, exchange rate determination, and open-economy macroeconomics. As such, the course will draw heavily from the introductory economics courses. This approach will help develop an appreciation for the complex environment in which both political leaders and corporate managers operate.

Portuguese - Portuguese for Speakers of a Romance Language

10:30-11:20 a.m.

Bosler, 208

This course is designed for students who have previously studied another Romance language and would like develop speaking, reading, writing and listening skills in Portuguese. The course assumes no previous knowledge of Portuguese, and will rely on the comparative grammar and cognate vocabulary of Spanish and other Romance languages to develop language skills over the course of the semester. In addition, the class will explore aspects of Portuguese-speaking cultures in Europe, Latin America and Africa.

First-Year Seminar: Are We Alone in the Solar System?

11:30-12:20 a.m.

Tome, 213

Popular culture and science fiction teem with depictions of aliens and their encounters with human beings, whether here on Earth or elsewhere. But what if microorganisms were discovered on the moons of Jupiter or the planet Mars? What would be the ramifications, both socially and scientifically, of such a discovery? In recent years, there have been a number of very successful missions supported by NASA to explore planets and their satellites, asteroids, and comets. This is in accord with one aspect of their new vision for the Space Sciences program—to search for extraterrestrial life. This search, however, depends greatly on what we know life to be: the Earth and its inhabitants. If the requirements for life as we know it are liquid water, a source of energy, organic molecules, and biogenic elements such as carbon, hydrogen, oxygen, and nitrogen, then NASA has already found multiple arenas in which “life” may reside. If current and future missions find that there is a second genesis, what will that say about God and our religious beliefs? Does it prove that life is not an accident? Is there a built-in bias towards life and mind, resulting in a Purpose and a God? Or is life simply chemistry? This seminar will focus on the budding science of Astrobiology and the implications it has for religion. We will begin by learning how planets form, and discuss what is needed for a planet to be considered habitable, thereby defining “life”. Students will research and present the scientific findings of current NASA missions at Mars, Jupiter, and Saturn that support the search for life. Upon reading excerpts from books such as *How We Believe: Science, Skepticism, and the Search for God* and *The Fifth Miracle: The Search for Origins of Life*, students will discuss and write about science and religion.

First-Year Seminar: The Entropy–Renewable Energy–Sustainability Connection

11:30-12:20 a.m.

Tome, 103

In this seminar we will take a closer look at what it ultimately means to live sustainably and to develop sustainable technologies. We will also investigate the concept of entropy and find that an understanding of entropy has fundamental implications on our individual as well as societal decisions. You will learn

that it takes energy to keep entropy at a constant level and that, for example, our body would not be able to live for very long if we would not keep its entropy constant. We will also find that entropy is closely linked to energy inefficiencies, and that ultimately a sustainable society will have to rely on renewable energy sources. To this end, we will do hands-on experimentation with evacuated tube solar collectors, solar concentrators, photovoltaic panels, solar air heaters, and wind turbines. As a consequence of this First-Year Seminar you should be able to save at least \$100 per month (for the rest of your life) on the heating and air conditioning bill for the house that you will build, purchase, or renovate after you graduate from Dickinson.

Portuguese - Brazilian Cultural and Social Issues

11:30-12:20 p.m.

Bosler, 213

In this class students learn about a variety of aspects of Brazilian culture and social issues. While highly discussed topics in Brazil and about Brazil, such as carnival, *malandragem*, and *jeitinho* are examined, throughout the semester students explore three different types of encounters: Native encounters, African and Afro-Brazilian encounters, and gender encounters. Students analyze these ideas concentrating on the nature of the encounters and the criticisms generated. Also, the class examines issues of representation related to marginalization, violence and banditry. In order to carry out the analysis of ideas and cultural representations and their development, students work with a variety of texts from different disciplines - literature, anthropology, sociology, history, and film - and follow an intersectional methodology.

English - Celtic Revival/Harlem Renaissance

1:30-2:45 p.m.

East College, 300

This course studies two major art movements of the modernist period, both of which tie formal innovation to questions of national citizenship, racial equality, and political autonomy. How did these "minor" literatures challenge majority national or imperial cultures? What events and forms galvanized the social and aesthetic work of the Celtic Revival (Ireland) and the Harlem Renaissance (US)? Primary readings cover several genres (fiction, drama, poetry, and essays); primary authors include, among others: Langston Hughes, James Joyce, Nella Larsen, Alain Locke, J.M. Synge, Jean Toomer, and W.B. Yeats.

History - Latin American-U.S. Relations

1:30-2:45 p.m.

Denny, 112

A study of political, economic, and cultural relations between Latin America and the United States from the early 19th century to the present. The evolution of inter-American relations is analyzed in light of the interplay of Latin American, U.S., and extra-hemispheric interests.

Physics - Analog & Digital Electronics

1:30-4:00 p.m.

Tome, 217

Circuit design and the analysis of electronic devices. Modern digital and analog circuit elements, including diodes, transistors, op amps, and various integrated circuits, are used in amplifiers, power supplies, and logic circuits. Class and laboratory work are integrated during class time totaling up to seven hours per week. Students design and build projects at the end of the semester.

English - Introduction to Literary Studies

3:00-4:15 p.m.

East College, 102

In literary studies, we explore the work texts do in the world. This course examines several texts of different kinds (e.g., novel, poetry, film, comic book, play, etc.) to investigate how literary forms create meanings. It also puts texts in conversation with several of the critical theories and methodologies that shape the discipline of literary study today (e.g., Marxist theory, new historicism, formalism, gender theory, postcolonial theory, ecocriticism, etc.). This course helps students frame interpretive questions and develop their own critical practice.

History- Islam

3:00-4:15 p.m.

Denny, 203

An introduction to Islamic beliefs and practices in their classical forms: rituals, law, mysticism, and other topics. The course will consider aspects of Islamic cultures and societies in medieval and modern times.

Theater - Modern Dance I

3:00-4:15 p.m.

Dance Studio, 2527 W High Street

Studio courses in modern dance offered at three levels: I. the basic level, which assumes no previous dance experience; II. the intermediate level, open to students who demonstrate basic accomplishment in dance technique; III. the advanced level, open to students who demonstrate substantial technical skill. All courses will explore the principles of modern dance, emphasizing body awareness and the expressive use of weight, space, and time. Materials will be selected from a variety of contemporary dance and movement training practices such as Pilates, yoga, somatics and ballet to promote performance of a range of movement dynamics, as well as musicality, strength, flexibility, and improved body alignment. Each course may be repeated for credit with permission of the instructor.