

## DESCRIPTIONS FOR COURSES NOT LISTED IN THE 2007-2009 SAINT VINCENT BULLETIN

### UNDERGRADUATE LEVEL COURSES SPRING 2008

- AR 234 INTRODUCTION TO STAINED GLASS**  
Students will be introduced to the tools and materials needed to create both two and three-dimensional designs made with stained glass. Processes include: designing for stained glass, cutting glass, assembling using the copper foil method and leading glass, soldering lead and copper foil, sealing leaded panels. Three credits.
- AR 312 ADVANCED B AND W PHOTOGRAPHY**  
In this course students will tackle more advanced problems of composition, content and proper technique. Students may have the opportunity to use a medium format camera. Three credits.  
Prerequisites - Beginning Black and White Photography
- AR 335 SCULPTURE I**  
This course will introduce students to additive and subtractive methods of sculpture. Students will use a variety of materials including plaster, wire and wood. Three Credits.  
Prerequisites - 3D Design
- AR 410 FILM STUDIES: FILM, SELECTED DIRECTIONS**  
This course explores the role of director in film production and the professional lives and works of several significant directors in film history. Three credits.
- BA 232 HUMAN RESOURCE MANAGEMENT**  
Course Description: In today's global, economic, social, political and technological environment, an organization's human resources may represent the last sustainable competitive advantage. Regardless of career direction, each of us will find ourselves in the role of employer or employee. This course will provide an overview of the nature of human resource management, as a function within a company, and as part of the task of every effective business and professional leader. We will explore the employment relationship, the ever-increasing regulatory environment, and methods of creating and sustaining a productive employee population, and the importance of integrating HR management with the business strategy, all from the manager's strategic perspective. Three credits.
- BA 265 MANAGEMENT INFORMATION SYSTEMS AND TECHNOLOGY  
ENTREPRENEURSHIP**  
Students are provided with an introduction to the information technology hardware and software platforms, tools, and methodologies utilized in the corporate systems environment. Topics include: hardware, networks, operating systems, databases (e.g. Oracle, IBM DB/2, MySQL), Business Intelligence, Desktop Applications, Business Applications, Electronic Commerce, and Systems Design and Development. The course will also include a detailed examination of the SAP Business One application software. Offered every semester. Three credits.
- BIN 110 GENES, CELLS, AND COMPUTERS**  
This course provides an introduction to selected topics in biology that are necessary for taking one or both of the Bioinformatics courses, BIN 218 (Bioinformatics, Genomics, and Proteomics) and BIN 219 (Biomedical Informatics). It is targeted towards non-Biology students who are potentially interested in taking the upper-level Bioinformatics courses, such as CIS majors, Math majors, and Physics majors, though any student who meets the prerequisites may take the course. Topics covered include cellular structure and function, gene structure and function, genetics, molecular evolution, and quantitative and computational approaches to biology. In addition some ethical and societal issues created by the vast amounts of biological data available will be discussed. This course is a Tier II Natural Science Core course. Prerequisite: a Tier I Natural Science course. Offered every other Spring semester (Spring 2008). Three credits.

- BIN 111**            **GENES, CELLS, AND COMPUTERS LAB**  
This course is the companion laboratory course to BIN 110. The labs will be evenly divided between wet lab experiments and computational labs. In the wet labs students will learn how some basic molecular biology techniques are carried out, while in the computational labs they will apply computational techniques to answer complementary questions to those addressed in the wet lab. This course is a Tier II Natural Science Core course. Prerequisite: a Tier I Natural Science course. Must be taken at the same time as BIN 110. Offered every other Spring semester (Spring 2008). One credit.
- BL 114**            **HUMAN BIOLOGY AND LABORATORY**  
This course is an overview of the human body's structure, its functionality, and the process of reproduction. We will give some attention to learning about common disease states and the efforts to treat them. Lastly, we will explore topics of specific interest to college students such as the importance of sleep, maintenance of immune function, and the body's ability to cope with stress. Case studies, class discussions, and student presentations will be integrated into lecture and lab periods in addition to experimental and observational study in the laboratory. For non-science majors. Tier 2 course, any Tier 1 course serves as a prerequisite. Four credits.
- BL 118**            **KILLER GERMS**  
This course will include discussions, lectures, and laboratories to study past, present, and potential future diseases caused by microorganisms. The course will focus on the bacterial microorganisms and viruses, how they cause disease, treatments, and their impact on society. Topics will include tuberculosis, HIV/AIDS, antibiotic-resistance, and other significant topics. For non-science majors. Tier II course, any Tier 1 course serves as the prerequisite. Four credits.
- BL 230**            **ORNITHOLOGY**  
For thousands of years people have marveled at the beauty, the diversity, and the abilities of birds, particularly their ability to fly. Feathers are unique to birds, and birds are also known for their migratory behavior, singing ability, and parental care. While this course will cover these topics in depth, we will also examine how the study of birds can generate new insights relating to issues affecting all animals, including the nature of intelligence, communication, evolution, and ecological interactions. Class periods will feature lecture, multimedia demonstrations, and discussion of scientific literature. There will be a significant number of field trips to observe, identify, and capture birds in their native habitats. Three credits.
- BL 260**            **BIostatistics**  
This course will introduce students to statistical methods that are most commonly encountered in biological methodology. Topics covered include measures of central tendency, measures of dispersion and variability, comparisons of means, tests of goodness of fit, analysis of variance and others. Students will become familiar with both parametric and non-parametric statistical tests. Three credits.
- CA 200**            **FILM STUDIES: THE HISTORY AND LANGUAGE OF FILM**  
This course teaches both the history of and the visual language used by the creators of significant dramatic, entertainment, and documentary films. Selected examples of films will be shown and analyzed. The course requires students to write critiques, take regular quizzes, and mid-term and final exams. There is no film or video production required for this course. This is the only film studies course that meets the curriculum requirements for Communication Majors – No substitutions are permitted. No prerequisites required. Please note that this course is NOT to be cross-listed with AR 410 this time. Three credits.
- CHI 307**            **ADVANCED CHINESE COVERSATION II**  
This course improves students' ability to speak and understand Chinese through a variety of contexts. Students will develop greater oral proficiency and a deeper understanding of the customs and sentiments of the people in Chinese society. Three credits.

- CS 359**                    **COMPUTING SCIENCE PROJECT**  
Using principles and techniques developed in CS 351 or CS 355, a semester-length project is implemented. A team approach may be used at the discretion of the instructor. Some projects may be actual projects for real clients. Prerequisite or concurrent: CS 351 or CS 355. Three credits.
- ED 325**                    **PHYSICAL HEALTH AND WELLNESS FOR EDUCATORS**  
This course involves the study of personal health and wellness as it relates to the educator when performing as a leader and mentor for young children. This course also includes instruction on the development of physical education activities appropriate for the early and elementary learners. By providing the prospective classroom teacher with a knowledge base in health, fitness, and wellness along side interdisciplinary teaching methods for physical activities for children, students will learn a rounded approach to life-long wellness as an individual and as a teacher. Assignments will include lesson planning, exams, physical inventories, microteaching, student discussions, etc. Required for Elementary Instruction Majors. Three Credits.
- PHIL 245**                **PHILOSOPHY OF SCIENCE**  
This course is an introductory examination into the nature of science from a philosophical perspective. In order to determine what is this thing called 'science,' we will pose such questions as: What can science tell us about the world? Can experimentation and the 'scientific method' uncover the nature of things, or are they simply tools for predicting events and inventing devices for the improvement of human life? What counts as evidence for determining that one knows some observable phenomenon? Are there such things as 'facts' independent of our perspectives, or are all supposed 'facts' relative to our theories?  
  
As these questions are addressed, we will become familiar with the dominant views of Western philosophy of science by way of some of the seminal texts that have shaped our current understanding of the empirical sciences.
- MU 203**                    **OPERA WORKSHOP**  
This course is designed to introduce students to opera music. Students perform scenes from operas and learn about the composers, the plot and other aspects of the performances from which the music is taken. Zero or one credit
- RS 216**                    **BUDDHISM**  
This course presents a chronological survey of major forms of Buddhism from the 6<sup>th</sup> century BCE up through the present day. We will begin with the life story of Siddhartha Gautama, the historical Buddha. After this, we will examine the early Buddhist Sutras, the rise of Mahayana Buddhism, and the Buddhist philosophers Nagarjuna and Vasubandhu. In the second half of the semester, we will explore the ways that Buddhism changed and adapted as it entered Thailand, China, Japan, and Tibet. We will end our survey with a discussion of Buddhism in 20<sup>th</sup> and 21<sup>st</sup> centuries, and particularly the encounter between Buddhism and Christianity. Three credits.
- RS 320-01**                **TOPICS IN THEOLOGY: CHRISTIAN DOCTRINE OF GOD**  
This course will examine the historical development of the Christian doctrine of God and will explore attempts by contemporary theologians to appropriate this doctrine. Three credits.
- RS 320-02**                **TOPICS IN THEOLOGY: THEOLOGICAL ANTHROPOLOGY**  
This course will address topics related to the study of theological anthropology. It will seek to answer questions such as: "What is man?" "What is choice?" and "What is happiness?" within the context of the Catholic tradition. Other subjects may include: the creation of man in God's image and likeness, human relationships and loves, human flourishing, sin, freedom, and grace. Three credits.
- SO 202**                    **SOCIOLOGY OF CHILDHOOD**  
Studying childhood from a sociological perspective means that we look at children's experiences in their larger social, cultural, and historical context. In this course, we will focus on childhood as a social phenomenon, engaging in discourse on topics such as the social construction of childhood, the ways in which children experience society, how children are shaped by the social institutions

in which they take part, how children shape society, and the intersection of childhood and social problems. Three credits. No prerequisites.

**SO 315**

**SPECIAL TOPICS/CRIMINOLOGY: WHITE COLLAR AND CORPORATE CRIME**

This course will expose the ever-present problem of greed in America that results in the conduct of non-violent criminal activity by individuals, corporations and governments. Included are examinations of consumer frauds, unsafe product liabilities, environmental crimes, institutional corruption, securities fraud, corporate fraud, fiduciary fraud, medical fraud and computer frauds. The course also discusses the origins, nature's perpetrators and victims of these crimes along with analysis of the monetary and victimization costs associated with this type of criminal activity. Three credits.

**SP 335**

**19<sup>TH</sup> AND 20<sup>TH</sup> CENTURY PENINSULAR THEATRE**

This class focuses on the major literary movements that appeared in the 19<sup>th</sup> and 20<sup>th</sup> centuries as they apply to theatre. Literary techniques as well as the topics and trends that the plays reflect will be discussed. The students will also become familiar with different aspects of the criticism of those plays and gain an understanding of the growth of peninsular theatre. Oral presentations and a variety of written assignments required. Three credits.