

## **Interim Course Descriptions January, 2004**

### **Math 224: Investigative Mathematics**

Mathematicians make discoveries only after computing many examples, noticing patterns, then inventing tools and language to describe what they see. With the aid of a computer, students conceptualize and prove theorems in a variety of mathematical areas. Closed to students who have taken courses beyond Math 220. Only one of Math 224 and Math 234 can be counted toward the mathematics major, though both may be taken. Prerequisite: Math 126 or 128.

### **Biology 310: Zoo Biology**

Zoological parks play a critical role in the 21<sup>st</sup> century, preserving endangered species and educating the public. Are zoos our best bet for preserving rare species or would our time and money be better spent preserving the habitats that species require? This course gives students a background in conservation biology, zoo biology and first hand experience conducting research in a zoo setting. Possible research topics include issues of enclosure design, diet and social behavior. Prerequisites: ES 137 or ES 125 or BIO 126 and BIO 261.

### **Asian Studies 245: International Politics of Northeast Asia**

Why do the international affairs of Northeast Asia (China, Japan, the Koreans, Taiwan) play such a critical role in world politics? Beginning with the contemporary events that integrate and divide this region, this course moves backwards through the twentieth century and covers important events and themes in the security, economic, and cultural relations of Northeast Asia. Students learn how regional dynamics and great power politics have combined to keep these states on the world's center stage. GE: HBS

### **Music 238: The Music of Indonesia**

This course explores the music of Indonesia and helps students gain knowledge and awareness of its social and cultural context. Students acquire basic skills in playing Javanese gamelan (a gong-chime instrument) music and study the history, geography, economy, sociology, and cultures of Indonesia as a nation-state. GE: MCS-G; ALS-A

### **Psychology 239: Drugs, the Brain and Behavior**

Students study ways drugs act on the brain to alter behavior. The effects of recreational and psychotherapeutic drugs are examined through the methodologies and research data of behavioral neuroscience and clinical drug therapy. This course considers their mechanisms of action in the brain and the behavioral manifestations of their use. We also consider the portrayal of drug effects in popular movies and music. Prerequisites: Any one of the following: Psych 125; Biology 121, 123 or 125; or Chemistry 121, 123 or 125. GE: NST

### **Religion 217: Christian and Islamic Ethics: Conflicts and Cross-pollination**

This course compares Christian and Islamic conceptions of the relationship between God and humanity, as foundations for thinking about moral excellence and obligation. It also considers and compares how theological commitments and methods in each religious tradition affect approaches to particular ethical issues such as sexuality, war, and politics. Students work with scripture, film, polemical literature, judicial texts, and theological texts. GE: EIN

**Management Studies 257: Entrepreneurship and New Venture Formulation**

This course teaches students how to take a business or not-for-profit venture concept and develop a business plan. Issues addressed include identification of market niche; development of venture strategy; evaluation of venture viability; and measurement of venture success. At the conclusion of the class, each student team presents its plan to a group of successful entrepreneurs who critique it and offer suggestions. Time is divided between classroom instruction and work with entrepreneurs