

**DESCRIPTIONS FOR COURSES NOT LISTED IN THE 2009-2011 SAINT VINCENT BULLETIN**

**UNDERGRADUATE LEVEL COURSES SPRING 2010**

- PH 226 INTRODUCTION TO THERMAL ENERGY AND FLUIDS**  
Introduction to thermal energy and fluids is an introductory course in engineering thermodynamics and fluid mechanics. Students will learn about mass and energy conservation laws (Bernoulli's Equation, First and Second Laws of Thermodynamics) and how to apply them to energy production and use. Emphasis will be on efficiencies and fundamental technical limitations facing various energy conversion options. The student will first be exposed to the laws of thermodynamics and fluid mechanics. The course will then offer an overview of application of these laws to various energy technologies, including fossil fuel based and nuclear based as well as alternative energies such as solar and wind.. Prerequisite is a general science course such as General Chemistry, Physics, or Biology as well as Calculus II. Three credits.
- TH 230 BIBLICAL THEOLOGY**  
The biblical text, rather than any philosophical or external theological system, provides the starting point and structure for biblical theology's critical evaluation of scripture and tradition in light of contemporary needs. This course will begin with a study of the book of Exodus through one sharply defined question: What does this book say about God? The study of Exodus will provide the groundwork for an extended discussion of the themes related to this question in the Old Testament, Judaism, The New Testament, and Christianity. The significance of this development for addressing contemporary theological questions will be emphasized. Three credits.
- TH 327 LIVING THEOLOGY IN GUATAMALA**  
The course is designed to help students critically engage the concrete experience of economic course, students will broaden their understanding of the developing world and the place of faith and theology therein. Prerequisite: Instructor's approval . Three credits.
- TH 335 CHRISTIAN THEOLOGY OF GOD**  
The 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.
- TH 343 MARIOLOGY**  
This course offers a theological study pertaining to the Church's teachings on the Virgin Mary. This study will include: pertinent texts from Sacred Scripture, post-canonical literature, teachings from the early councils, Mary and the Patristics, scholastic Mariology, Mary and the Protestant Reformation, dogmas concerning the Immaculate Conception and the Assumption, Mary in Art, Marian devotions, Marian apparitions, and Mary within the context of the Second Vatican Council with subsequent articulation. Three credits.