

## **Natural Sciences 320**

### **Energy (4 units)**

This course fulfills the Integrative Capstone (B.5) requirement in the Natural Sciences Breadth Area of the CSUSB General Education Program. The University expects students who successfully complete this requirement to be able to:

Understand the interrelationships among disciplines (within and across breadth areas) and their applications to contemporary complex environments.

Objectives:

1. Discuss the social and historical context of scientific developments within the physical and life sciences.
2. Explain the place of the natural sciences breadth area within the broader context of human thought and social development.
3. Integrate, develop and explore the implications of the skills and knowledge acquired in the lower-division general education courses.
4. Engage in a higher level of analysis than in lower-division general education courses.
5. Where appropriate, understand the impact of human behavior, gender roles, human sexuality, multicultural and/or international issues, and technological and organizational developments on a topic (or vice versa).
6. Students will broaden their knowledge of fundamental laws, theories and facts that comprise our understanding of the contemporary physical world, of the origins of scientific discovery, and the social and economic implications of scientific and technological developments