

GE CRITERIA APPROVAL FORM

Course Number and Title: BIOL 332. Cancer and Society

Faculty Member(s) Proposing Course: Louise Lutze-Mann

Indicate which of the following categories would be satisfied by this course by marking an “X” on the appropriate lines.
Courses may be placed in up to two GE categories as appropriate. Upper Division Interdisciplinary GE courses may be placed in two categories plus the UDIGE category.

A1: Oral Communication

A2: English Writing

A3: Critical Thinking

B1: Physical Sciences

B2: Life Sciences **X**

B3: Mathematics

B4: Computers and Technology

C1: Fine Arts

C2: Literature

C3: Languages & Cultures

D: Social Perspectives **X**

E: Human Psychological & Physiological Perspectives

Upper Division Interdisciplinary GE

Lab Included? Yes _____ No **___X___**

Please provide a brief explanation of how the proposed course meets each of the criteria for the selected General Education categories.

This is an upper division General Education course designed to acquaint non-biology majors with the underlying molecular causes of cancer, the impact of environmental and genetic factors on cancer causation and prevention, recent advances in diagnosis

and treatment of the disease, and the impact that this disease, which will affect one in three adults, will have on society. The prevalence of cancer in our society justifies the need for a wider understanding of this complex group of diseases and the regimes that are used for diagnosis and treatment.

Students completing this class should be equipped with the knowledge and skills to:

1. Apply inductive and deductive reasoning to evaluate the biological mechanisms that lead to the induction of cancer.
2. Assess the contribution of environmental and genetic factors to cancer causation.
3. Describe the latest techniques in the diagnosis and treatment of cancer.
4. Identify public health issues and concerns attributable to cancer.
5. Evaluate realistically information derived from current literature, news media and on-line sources on the causes, prevention and treatment of cancer.

Hence we feel that this course meets each of the criteria in GE categories B2 and D..