GE CRITERIA APPROVAL FORM

Course Number and Title: Biol 212. Neurobiology and cognitive science (3)

Faculty Member(s) Proposing Course: Nancy Mozingo

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
X	B2: Life Sciences
	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 <u>each</u> of the criteria for the selected General Education categories.

This course will explore the function of the nervous system with an emphasis on brain function. Topic include principles of brain organization, neuroanatomy, behavior, physiology of language, vision and memory. In this course, students will be introduced to scientific methods and reasoning which will enhance their ability to think clearly and logically. Students will gain experience in finding and critically examining information by reading scientific literature. Students will be introduced to a broad range of topics in neurobiology and cognitive science which will impart a basic understanding of human brain function and behavior. Thus, this course meets the criteria for categories B2 and E.

Students who successfully complete this course will be able to:

- Describe the structure and function of cells that comprise the nervous system
- Explain chemical and electrical signaling in the nervous system
- Outline the sensory and motor systems
- Explain brain development and complex brain functions
- Explain how neural function influences moods, memories, language and behavior
- Generate a hypothesis from a set of observations and then suggest experiments to test the hypothesis