WHAT ARE THE GOALS OF THIS COURSE? Students will gain a solid understanding of:
1) the basic mechanisms underlying the electrical and chemical activities of nervous system function; and, 2) how nervous systems integrate information to produce behavior.

WHAT DOES THIS COURSE COVER? The course is divided into two sections. The first half is a self-contained unit covering basic cellular neurobiological principles with an emphasis on molecular mechanisms. The second half is an overview of systems neurobiology, emphasizing motor and sensory systems and integrating the cellular and molecular information learned in the first half. A brief overview of each lecture is presented in the course syllabus.

WHAT IS THE COURSE FORMAT?
A. Two 80 min lectures weekly on Tuesdays and Thursdays at 10:00-11:20.
B. Weekly, small group discussion sections.

In addition to the formal classroom periods, you will also be exposed to Neuroscience through:

C. Assigned readings from several neuroscience textbooks;
D. Reading a primary scientific paper and writing a short report on its content;
E. Writing a paper on an unsolved problem in neurobiology;
F. Problem sets to be completed independently;
G. Reading “The Man Who Mistook His Wife for a Hat”; &,
H. A film (TBA).

WHAT IS YOUR STYLE OF INSTRUCTION? Lectures are informal with an emphasis on the acquisition of neurobiological information and the development of critical thinking skills through introduction of experimental evidence and design. The non-lecture parts of the course (discussions, texts, assignments, problem sets, film) are designed to reinforce ideas and concepts presented in lecture. The discussion sections provide time for an in-depth review on specific issues raised in lecture and solve practice exam questions. Questions are strongly and warmly encouraged during all parts of the course. I do not hold formal office hours however you are always welcomed to drop into my office without an appointment for questions and/or discussions, or make an appointment.

WHAT IS THE GRADING POLICY? Your course grade will be based on the results from the two exams (50%) and the two written assignments (50%) using the following algorithm:

Exam # 1: 25%
Exam #2: 25%
Assignment #1: 25%
Assignment #2: 25%
EXAMS: The class will choose whether Exam #1 will be open or closed book exam. The class will also vote on whether the final exam will be an open book take home or a closed book, in class exam. Exams are graded on a modified curve; everyone can receive an "A" if earned. You also have the option of not taking the final exam and receiving a course grade based on the results of your 1st exam and the two written assignments if you submit a 5 page paper on a neurobiological topic of your own choosing. **PLEASE NOTE: There are no make-up exams. A missed exam will be graded an “F” unless arrangements are made in advance of the scheduled exam.**

ASSIGNMENTS: Each of the two writing assignments will be graded out of 100 points. The total score will be converted to a letter grade using the following scale:

- 97-100 A+
- 94-96 A
- 90-93 A-
- 87-89 B+
- 84-86 B
- 80-83 B-
- 77-79 C+
- 74-76 C
- 70-73 C+
- 67-69 D+
- 64-66 D
- 60-63 D-
- <60 F

*Assignments submitted late will have 10 points deducted from the final score.*

WHAT DO THE TEACHING ASSISTANTS DO? The TAs are responsible for running the discussion sections each week and assist with grading.

WHAT AND WHERE ARE THE PROBLEMS SETS? The problem sets are found on the Bi 360 web site. Problem sets are optional and not graded. You are strongly encouraged to work on the problem sets, because they will not only help you learn the material but give you some insight into they type and style of questions that may be on the exams. We recommend that you work on the problems first before looking at the answer key.

WHAT IS THE WEB ADDRESS FOR THE BI 360 WEBSITE?  
[http://blogs.uoregon.edu/bi360/fall-2017/](http://blogs.uoregon.edu/bi360/fall-2017/)