

BIO 426 - SYLLABUS
**NEUROSCIENCE SEMINAR: DISCOVERIES IN NEUROBIOLOGY-
HISTORY AND TECHNOLOGY**
Fall 2019, 1 Credit hour
Section 002, Wednesdays, 3:00 pm - 3:50 pm
Multi-Disciplinary Science Bldg. Rm.155B

(A) Course Specifics:

Course Instructor: Robin L. Cooper

Office: Thomas Hunt Morgan Rm. 226

Email: RLCOOP1@UKY.EDU

Office Hours: Wednesdays before or after class or by appointment

Components of the Course:

Discussion section: Dependent upon the project selected by student. In class some fun activity which students might want to take on but not required nor credit for it except for self-enlightenment.

Requirements to Pass the Course: Earn 70 points or above in attendance, participation and presentation.

(B) Course Description:

This course is designed to provide with an opportunity to participate in researching a topic related to the theme of the class and present to the class. 15 min presentation and feedback from the class will be provided along with classroom discussion. Then a follow up 10-15 min presentation on similar topic or maybe present a research paper. The 2nd presentation will be sometime later in the course.

(C) Course Objectives:

This course is intended to:

- Introduce students to presenting a topic to a small audience in a classroom setting.
- Expose students to current methods, technologies, and protocols used in research through readings to prepare for their presentation.
- Educate the students about the scientific method and hypothesis testing through experimentation.
- Improve students' professional skills required to succeed in a STEM field including communication and presentation skills.
- Enhance students' enthusiasm for authentic problem-solving, and/or discovery, integration to a rigorous research community, and exposure to research community-based activities.

(D) Learning Outcomes:

Upon successful completion of this experience, a student should be able to:

- Analyze biological information and experimental data for presentation
- Demonstrate ability to communicate/present professionally in a science-forum setting.

(E) Attendance:

You are expected to attend all class sessions.

Your full participation is expected at some of the sessions. Periodically communicate through e-mail and in-class announcements etc.

Make-up assignments for a missed will only be given for DOCUMENTED excused absences as defined by the University (Senate Rule V.2.4.2). A missed attendance will result in a score of zero for attendance and participation points for that session, unless an acceptable written excuse is presented to instructor within one week of the missed activity and the assigned alternative assignment is satisfactorily completed. An unexcused absence will automatically result in the loss of participation points for the specific day or activities conducted.

(F) Missed Sessions

Make-up assignments (for missed laboratory sessions and forum) will only be given for **DOCUMENTED** excused absences **as defined by the University (Senate Rule V.2.4.2)**. A missed attendance will result in a score of zero for attendance and participation points for that session, unless an acceptable written excuse is presented within one week of the missed lecture or activity and the assigned alternative assignment is satisfactorily completed.

Note: Problems associated with parking, traffic, library services, family commitments (including attending weddings), travel itineraries, procrastination, over-sleeping or forgetfulness are not acceptable excuses for missing a lecture or a co-curricular activity.

(G) Reading and Assignments:

For the sessions you may need a good amount of time to prepare for gathering information for your presentations. Please provide references for the presentation and where information was obtained.

(H) Grading:

To earn a pass grade for this course, you are required to earn 70 points or above (out of 100) in the 3 categories specified below:

- (1) Timely arrival and be in attendance through the entire duration of the sessions. (10 points)
- (2) Participation in the class. Provide feedback of fellow student presentations. (30 points)
- (3) Presentations (2 presentations with time for questions. One at least 15 min (30 points) and a 2nd at least 10 min in length (30 points))

An unexcused absence will automatically result in the loss of participation points for the specific day or activities conducted.

Any grade-related concern needs to be brought to the notice of the instructors within one week of initial student notification of the specific sub-grade or grade in question, and a written request maybe required from the student to initiate a specific grade review.

(I) Disabilities/ Medical Conditions:

If you have a documented disability that requires academic accommodations, please contact your research advisor as soon as possible. In order to receive accommodations in this course, you must provide your research advisor with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

(J) Academic Offenses:

Falsifying attendance is a serious offence. Charges of an academic offense will be made against any student who falsifies attendance, cheats, or commits plagiarism. Penalties for such an offense will be assessed according to University Regulations regarding Academic Offenses. The most severe penalties include suspension or dismissal from the University.

(K) Course Policy on Classroom Civility and Decorum:

The university, colleges and departments all have a commitment to respect the dignity of all and to value differences among members of our academic community. There exists the role of discussion and debate in academic discovery and the right of all to respectfully disagree from time-to-time. Students clearly have the right to take reasoned exception and to voice opinions contrary to those offered by the instructor and/or other students (S.R. 6.1.2). Equally, a faculty member has the right -- and the responsibility -- to ensure that all academic discourse occurs in a context characterized by respect and civility. Obviously, the accepted level of civility would not include attacks of a personal nature or statements denigrating another on the basis of race, sex, religion, sexual orientation, age, national/regional origin or other such irrelevant factors. During group-work such civil conduct towards fellow group members as well as equal sharing of workload and opportunities is expected. In the research laboratory environment, professional and safe conduct with respect to persons, instruments, chemicals and other materials is expected. Also, non-obstructive behavior to other laboratory personnel conducting research in the research advisor's laboratory and their research projects is expected.

Cellphones are required to be held in a mode that does not cause disturbance to other students and class (e.g. silenced, vibration) during all class times.

(L) Group Work:

For group work, complete and equal participation from each student is expected. Each student's attendance and participation for group work will be evaluated on an individual basis. Civil and respectful conduct towards fellow group members as well as equal sharing of workload and opportunities with fellow group members is expected.

(M) Student Responsibilities:

The student will select a topic with instructor approval prior to presentation and full participation in associated activities including completing pre-class, in-class and post-class assignments (including presentation feedback for presenters).