

# RESEARCH THESIS IN CBN II

## 01:146:411 SPRING SEMESTER

### Course Description:

This course is part of a 2-semester sequence intended for CBN students in their senior year who wish to produce a research thesis in the fields of cell biology or neuroscience, but are not enrolled in the CBN Honors program. The course sequence involves research plus preparation of a written thesis draft (Fall semester), and research plus preparation of a final written thesis and an oral defense (Spring semester). The course is offered every year.

### Prerequisites:

Research Thesis in CBN I (Fall) 01:146:410.

**Course coordinator:** Prof. Gabriella D'Arcangelo ([darcangelo@dls.rutgers.edu](mailto:darcangelo@dls.rutgers.edu))

### Spring Course Specific Learning Goals:

This semester you will build on the work you started in the Fall, finalizing the preparation of a written thesis, and preparing a slide presentation of your research project (oral defense). The goal of this course is to learn how to communicate your research effectively in a written and verbal form to a mixed audience composed of scientists and lay people.

### To do:

1. Form an *ad hoc* thesis committee including the mentor, the course coordinator and 1 additional faculty member in the Life Sciences or biomedical field (as soon as possible)
2. Submit a ~30 page written thesis (original version) by March 15 for initial review by mentor and course coordinator (also upload to Canvas as an assignment).
3. Revise the written thesis based on the feedback and submit the revised thesis to the thesis committee by April 1 (also upload to Canvas as an assignment)
4. Prepare a thesis slide presentation and practice with mentor and class (also upload to Canvas as an assignment)
5. Revise the slide presentation according to the feedback (also upload to Canvas as an assignment) prior to the defense
6. Defend the thesis (oral slide presentation) by April 10 with the thesis committee and invited audience (online Zoom meeting)
7. Revise written thesis if requested, and upload the final version on the Canvas course site

In addition to these assignments you are expected to conduct 10-15 hours of research/week (in person or remote) according to your mentor's or supervisor's instructions, and participate in biweekly online classes (schedule to be determined). Class participation will consist of posting

your research updates, thesis progress and slides for the oral presentation, and practicing the presentation.

### **Grading**

Revised Written Thesis (30%)

Oral defense (30%)

Class Participation (20%)

Research Activities (20%)

Each graded component will be scored according to a rubric (see course site in Canvas). The final grade will be determined by the course coordinator in consultation with the faculty mentor and the member of the thesis defense committee.

### **Academic Integrity Policy:**

<http://academicintegrity.rutgers.edu/academic-integrity-policy>

Violations include: cheating, fabrication, plagiarism, denying others access to information or material, and facilitating violations of academic integrity.

### **Student-Wellness Services:**

#### *Just In Case Web App*

<http://codu.co/cee05e>

Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

#### *Counseling, ADAP & Psychiatric Services (CAPS)*

(848) 932-7884

17 Senior Street, New Brunswick, NJ 08901

[www.rhscaps.rutgers.edu/](http://www.rhscaps.rutgers.edu/)

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students' efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

#### *Crisis Intervention:*

<http://health.rutgers.edu/medical-counseling-services/counseling/crisis-intervention>

Report a Concern: <http://health.rutgers.edu/do-something-to-help>

*Violence Prevention & Victim Assistance (VPVA)*

(848) 932-1181

3 Bartlett Street, New Brunswick, NJ 08901

[www.vpva.rutgers.edu](http://www.vpva.rutgers.edu)

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

*Disability Services*

(848) 445-6800

Lucy Stone Hall, Suite A145, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 /

<https://ods.rutgers.edu>

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: <https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: <https://ods.rutgers.edu/students/registration-form>.

*Scarlet Listeners*

(732) 247-5555

<http://www.scarletlisteners.com>

Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.