

Course Synopsis:

Research in Microbiology
11:680:497-498 (1-6 credits) By Arrangement

Offered: **This course is offered in spring/fall/summer semesters.**

Research form online and in the office of Kathy Maguire 223A

<http://dbm.rutgers.edu/microbio.php>

Please find described below the guidelines for all students receiving credit for Research in Microbiology:

- 1) Fill in the Research form
- 2) Have your advisor sign the form
- 3) Bring the completed form to Kathy Maguire in Lipman Hall, Room 233a at the beginning of the semester so that we can give you a special permission number to register the course.
- 4) **You now must take a Lab Safety REHS training course, and present a certificate of completion to work in a lab. This site lists all the training dates/times:** https://halfife.rutgers.edu/training_calendar/calendar.php

In any single semester, you may elect as few as one or as many as six credits of research. You may use three credits of Research in Microbiology to satisfy the SEBS degree requirement of experience-based education. Alternatively, three credits of Research in Microbiology may be substituted for an equal number of credits of elective course work in microbiology. The rough rule of thumb is that each credit of research requires that you spend a minimum of three hours per week in the laboratory for the entire length of the semester. Some faculty may expect you to spend more than the minimum required time to meet the objectives of your project, so it is important to discuss this question with your research advisor early in the semester. **All students enrolled in Research in Microbiology are required to submit a written report describing their research project due no later than the first day of Exam Period.** Copies of the report will be submitted to both your research advisor and Dr. Vetriani the Undergraduate Program Director. The research advisor must grade the paper before the student receives a final grade for the course; if the Undergraduate Program Director does not receive a copy of the paper and grade, a grade of TF for incomplete work will be assigned.

The report should include a title, a brief introduction, project objective(s) and/or hypothesis, results, discussion with conclusion, and references cited. The paper need not be lengthy, and it may look more like a progress report than a final paper (especially if this is your first semester in a research laboratory). As an example, a three-credit research project might be 4-6 double-spaced pages (not including pages containing figures). Be sure to set aside sufficient time to write a good report. Your faculty mentor may provide you with additional advice in meeting this particular course requirement.

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