

## DEPARTMENT OF MATHEMATICAL SCIENCES

Senior Seminar I 92.375 (1 credit)

Senior Seminar II 92.475 (3 credits)

### General Information

As a senior math major, you will complete the Senior Seminar, in which you will have the opportunity to carry out a project in an area of mathematics that interests you. The Senior Seminar is the capstone course for the Bachelor's Degree in Mathematics, and it is expected that your project will reflect this. However, there are no restrictions regarding either content or emphasis. The project can be a directed study in a subject not currently offered in the department (e.g. topology), more advanced study of a traditional course, work on a specific problem (e.g. the flight path of birds), the design of an experiment and analysis of the data, . . . . The object is to allow you to pursue a course of study not available along traditional lines.

You will need an advisor to direct you, and you will need to have your topic approved by the department. The purposes of Senior Seminar I are for you to identify a topic, find an advisor, and prepare a proposal. With those preliminaries out of the way, you will be able to start on your project right away when you take Senior Seminar II. In Senior Seminar II you will carry out your project, write a report describing your results, and give a public presentation of your work.

### Requirements

*In 92.375, Senior Seminar I:*

1. The student, in consultation with faculty, decides on a project topic and a faculty advisor. The advisor need not be in the Department of Mathematical Sciences. Together the student and advisor write a short description of the project and outline their expectations regarding meeting times, date for the first draft (before the last day for withdrawal from a course), completion date (normally the last day of classes), etc. Both student and advisor sign the proposal form.
2. The Senior Seminar Coordinator reviews the proposal and determines whether it is acceptable. If the proposal is accepted, the Coordinator signs the proposal form and enters it in the Active Senior Seminar file. At this time the student is allowed to register for 92.475, Senior Seminar II.

*In 92.475, Senior Seminar II:*

3. The student submits a first draft of the report by the Draft Date. The advisor reviews the draft before the last day for withdrawal from a course. If the draft is satisfactory, the advisor again signs the proposal form. If the draft is unsatisfactory, the advisor will either ask the student to revise and resubmit the draft or recommend that the student drop the course.
4. By the Completion Date, the student must have a) submitted two copies of the final version of the report; and b) given a public presentation on the project. The public presentation is usually in the form of a poster displayed at the Senior Seminar Poster Session held at the end of each semester, but oral presentations can also be arranged. Copies of final reports will be maintained in the Department and Math Club Libraries. The final grade for the course will be determined by the advisor.

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Senior Seminar II 92.475

Project Form

Student \_\_\_\_\_ SID \_\_\_\_\_

Advisor \_\_\_\_\_ Semester of Project \_\_\_\_\_

Project Title \_\_\_\_\_

**Please attach a brief description of the project.**

Meeting Times \_\_\_\_\_

Draft Date (before the last day for withdrawal from a course) \_\_\_\_\_

Completion Date (normally the last day of classes) \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_

Coordinator Signature \_\_\_\_\_ Date \_\_\_\_\_

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Approval of first draft

Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_

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Approval of final report

Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_