

Maths 2094/3194/4394
Majors' Seminar/Junior Writing Workshop/Senior Project
Spring 2011

Instructor: Dr. Brian K. Miceli

Course URL: <http://trinity.edu/bmiceli>

All of the instructor's contact information and office hours can be found at the above URL. In addition, all information which is pertinent to this course, including a copy of this syllabus and all information regarding exams and homework assignments, can be found at the above web page by following the proper links.

Time and Place: Thursday 2:10 PM - 3:25 PM, Marrs McLean (MMS), Room 130

Office Hours: My office is located in MMS 115F. For the exact times of office hours, consult the Course URL. I will also be available by appointment.

Academic Integrity: All students are covered by a policy that prohibits dishonesty in academic work, The Academic Honor Code. The Honor Code asserts that the academic community is based on honesty and trust, provides for a procedure to determine if a violation has occurred and what the punishment will be, and provides for an appeal process. Under the Honor Code, a faculty member will (or a student may) report an alleged violation to the Academic Honor Council. It is the task of the Council to investigate, adjudicate, and assign a punishment within certain guidelines if a violation has been verified. Students who are under the Honor Code are required to pledge all written work that is submitted for a grade: "On my honor, I have neither given nor received any unauthorized assistance on this work" and their signature. The pledge may be abbreviated "pledged" with a signature.

Disability Services for Students: If you have a documented disability and will need accommodations in this class, please speak with the instructor privately early in the semester so that he may be prepared to meet your needs. If you have not already registered with Disability Services for Students, contact the office at 999-7411. You must be registered with DSS before he can provide accommodations.

Attendance: Attendance will be mandatory for all classes and punctuality is expected. If you know in advance that you will need to miss class, be late for a class, or leave a class early, the instructor should be informed as soon as possible. The unexcused missing of class time will result in deductions from attendance points. **Class ends at 3:25.**

Class Participation: Class participation demands that students show respect for the speakers. This includes, among other items, not doing work for other classes, not texting, and not surfing the Net. Students will not be allowed to sit in the back row of seats unless no other seating is available.

Point Deductions: Each unexcused absence will result in a loss of 12 points from your attendance grade. Chronic tardiness will first earn a warning and then be assessed a penalty similar to that of an unexcused absence. The first violation of the class participation policy will result in a warning, and subsequent violations will result in deductions of 12 points per violation. Each student may submit up to two written reports, worth 12 points each, to make up for point deductions due to attendance or class participation violations. These reports must be written in Latex and must be submitted no later than 2:10 on Thursday, April 21st.

Maths 2094 - Majors' Seminar

Evaluation: Your overall score in the course will be based upon research projects, attendance, and class participation. The point values are as follows:

Research:	16 points
Attendance:	60 points
Participation:	24 points
Total:	<hr/> 100 points

Research Projects: These will be exercises throughout the semester to prepare students for upcoming talks. These assignments should not be time consuming, and they must be typed in Latex. An example of such an assignment would be, "Give definitions for *group*, *ring*, and *field*." Proper citation will be strictly enforced, and for rules about proper citation, see the library's online citation site (also linked from the course web page).

Maths 3194 - Junior Writing Workshop

Evaluation: Your overall score in the course will be based upon attendance, written reports, technology projects, an oral presentation, and class participation. The point values are as follows:

Attendance:	24 points
Written Reports:	24 points
Technology:	20 points
Oral Presentation:	20 points
Participation:	12 points
Total:	<hr/> 100 points

Written Reports: Students will write reports on two of the presentations given in class by outside speakers. The reports must be written in Latex and are worth 12 points each. Reports which are written well below the standard of expectations will be returned once for resubmission. All written reports must be submitted for a grade no later than 2:10 on Thursday, April 21st. Guidelines for these reports will be forthcoming.

Technology: This grade will be based upon completing one assignment in Maple and one assignment in Matlab. Each assignment will be worth 10 points. These assignments will both be due no later than Thursday, April 28th.

Oral Presentation: Students will be given a choice of peer-reviewed, mathematics journal articles from which to choose, or they may choose their own (possibly with the help of a faculty member) and have it approved by the instructor. Students will then prepare a 15 to 20-minute presentation which summarizes the key points of the chosen article. The presentation must be given using Latex. Students may seek the help of faculty for this presentation, and furthermore, students are strongly encouraged to practice their presentation with a faculty member prior to the in-class presentation. This presentation will take place on April 7th or April 14th.

Maths 4394 - Senior Project

Evaluation: Your overall score in the course will be based upon attendance, two presentations, a written report, and class participation. The point values are as follows:

Attendance:	12 points
First Presentation:	5 points
Final Presentation:	25 points
Rough Draft:	6 points
Final Report:	40 points
Participation:	12 points
Total:	100 points

Selecting a Project Advisor: Students should select a Senior Project advisor by the third class meeting, which is Thursday, January 27th.

First Presentation: Students will give a 10-15 minute presentation prepared in Latex. In this presentation, students will give an overview of their Senior Project. This presentation will take place on February 10th.

Final Presentation: Students will give a 30 minute presentation highlighting the key points of their Senior Project. The presentation must be prepared in Latex. The instructor may seek the input of other department faculty in assigning the grade for this presentation. This presentation will take place on April 21st or April 28th.

Rough Draft: Students will submit a rough draft of their final report, typed in Latex, to both the instructor and their advisor. This is due by class on Thursday, April 14th. A hard copy may be submitted or students may email a PDF version.

Final Report: Students will submit a final report, typed in Latex, to both the instructor and their advisor. Both should receive a hard copy of the report, a copy of the Latex file with any supporting files, and the corresponding PDF file. The final report is due no later than Friday, May 6th at 12:00 noon, and the grade for this report will be agreed upon by both the instructor and the advisor.

Date	Speaker
01/13/11	Syllabus
01/20/11	Latex Intro - Cabral Balreira
01/27/11	xxx
02/03/11	xxx
02/10/11	First Presentations for Senior Projects
02/17/11	xxx
02/24/11	xxx
03/03/11	xxx
03/10/11	xxx
03/17/11	Spring Break (No Class)
03/24/11	Jeff Liese, Cal Poly, SLO
03/31/11	xxx
04/07/11	Junior Presentations
04/14/11	Junior Presentations & Course Evals
04/21/11	Senior Presentations
04/28/11	Senior Presentations