

**Math 486-01 Spring, 2007**  
**Senior Seminar**  
**T 3:30pm to 4:45pm**  
**Ohlendorf 215**  
**CRN:28601**

*Instructor:* Dr. Christopher Mouron

*Office:* 320 Ohlendorf Hall

*Office Hours:* MWF 11:00-11:50, TTh 10:00-11:00 or by appointment. Pop-ins are welcomed

*Phone:* x3720

*Email:* [mouronc@rhodes.edu](mailto:mouronc@rhodes.edu)

**Course Description:**

This course is meant to emphasize the unity and power of mathematics by applying the extended ideas drawn from courses required for all majors. Topics will be determined by a consultation among the students enrolled and the supervising faculty member. All participants will make several oral presentations.

**Responsibilities:**

Your primary responsibility for this course will be the work on your topic, which should be closely supervised by a member of the mathematics faculty (and, in some cases, faculty members of other departments or institutions). Additionally, you will be required to give two oral presentations to the faculty of the department during the fall semester. The first presentation will take place in January/February and will be a summary of your current work. The second presentation will be in late April or early May and will be a presentation on your complete work. All dates will be determined at our meetings. Also, you are expected to present your work at the Hendrix-Rhodes-Sewanee Mathematics Symposium and/or URCAS. You will write up your final results as a research paper and submit at the end of the semester. Additionally, you must attend at least 8 talks in mathematics. These can be faculty seminars, guest of the department, talks off campus or in other departments (with my permission.)

**Office Hours:**

You are encouraged to visit my office hours (above) with any questions or concerns you may develop. If my office hours are inconvenient for you, you may make an appointment.

**Meetings**

Presentations and/or Meeting will be on Tuesdays at 3:30.

**Grading:**

Your letter grade will be based on the following:

Presentations:	30%
Attendance and Participation:	20%
Progress on your Project:	50%

The progress on your project will be determined by me in consultation with your faculty supervisor. Your presentation grade will be determined in consultation with other faculty members in attendance.

**Honor Code:**

All students are expected to conduct themselves within the guidelines of the College's Honor Code. Please ask me if you have any questions about what is allowed. I reserve the right to reduce a student's grade in the event of plagiarism whose intent cannot be verified.

**Students With Disabilities:**

If you have or think you may have a documented disability, please contact me and the Office of Student Disability Services as early in the semester as possible.