Math 370 – Senior Seminar
Fall 2008

Instructor – Dr. Fraboni
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Office hours: Monday and Wednesdays 2-3pm, Thursdays 1-2pm, or by appointment

Course Goals – The goal of this course is to serve as a capstone for your mathematical work here at Moravian. The successful students will gain a perspective on several fields of mathematics and how they interact, and will learn how to read professional mathematical writing.

Evaluation and Grading – The breakdown is as follows:

10% Class participation. This includes asking questions and providing feedback during other students presentations.

15% History of mathematics project. This includes a written and oral component.

15% Extra Chapters. Choose one of your favorite mathematics courses, then read and present to the class one more chapter from that book.

15% each Two article summaries. Find an article in a field of mathematics that interests you, then provide a written summary as well as an oral summary to the class. Your second article should be related to your final project.

30% Final project. Find a problem in a field of mathematics that interests you and attempt to solve the problem, generalize another's solution, or in some other way make meaningful progress with the problem.

Attendance – Any absences will negatively impact your class participation score.

Tentative Dates –

- 9/2 – Math History paper topic due

- 9/11 – Math History paper due with 10 minute oral presentation

- 9/16 – First research article choice due

- 9/23 and 9/25 – Individual conferences about your research article

- 9/30 and 10/2 – 25 minute oral presentation about your first research article

- 10/2 – Extra Chapter choice due

- 10/14 – Research project topic due

- 10/21-10/28 – Extra Chapter 50 minute presentations

- 10/23 – Second Research Article choice due

- 11/4 – Individual conferences about your research project

- 11/6 and 11/11 – 25 minute oral presentation about your second research article

- 11/13 – Research project draft due

- 12/2 and 12/4 – Research project due with 25 minute oral presentation presentation

Learning Disability Accommodations – Students who have documented learning disabilities and wish to request accomodations for this class should contact the Learning Services Department. Accomodations cannot be provided unless official documentation is received from the appropriate campus office.

Mathematics Department Academic Honesty Policy – The Mathematics Department supports and is governed by the Academic Honesty Policy of Moravian College as stated in the Moravian College Student Handbook. The following statements will help clarify the policies of members of the Mathematics Department faculty.

In all at-home assignments which are to be graded, you may use your class notes and any books or library sources. When you use the ideas or thoughts of others, however, you must acknowledge the source. You also may not use a solution manual or the help (orally or in written form) of any individual other than your instructor. If you receive help from anyone other than your instructor or if you fail to reference your sources, you will be violating the Academic Honesty Policy of Moravian College. You may work with your fellow students on homework which is not to be graded. You are responsible for understanding and being able to explain the solution of all assigned problems, both graded and un-graded.

All in-class or take-home tests and quizzes are to be completed by you alone without the aid of books, study sheets, or formula sheets unless specifically allowed by your instructor for a particular test.