

Math 345 Syllabus

Instructor: Dr. William Husen

Office: MA 414.

Phone: 292-5431 (or leave a message at 292-4975).

Email: husen@math.ohio-state.edu

WWW: <http://www.math.ohio-state.edu/~husen>

Office Hours: 8:30am-9:15am, 10:30am-11:15am MTWTh (and by appointment).

Textbook: The Fundamentals of Higher Mathematics by N. Falkner, Spring 2012 edition.

The goal of this course is to help you learn the fundamentals of how to read and write proofs. This is done in the context of an introduction to several important topics in higher mathematics. It is important that you understand all of the definitions, results and proofs that you encounter. The best way to understand the proofs is to rewrite them in your own words.

Attendance: Attendance is not required but is very strongly encouraged. You are responsible for all material that is covered in class.

Email: You are responsible for information contained in email messages sent to your official OSU email address (yourlastname.#@osu.edu) so you should check your email at least once per day.

Homepage: The official course page can be found at:

<http://www.math.ohio-state.edu/~husen.1/teaching/sp2012/345/345-sp2012.html>

Most of the material for this course will only appear online so it is important that you have access to this page.

Homework: Homework will be assigned and collected on a daily basis. The collected homework will count for 20% of your grade. You may work with other students on the homework, but you must hand in your own write-ups. Make sure that the homework that you hand in conforms to the guidelines listed below. Homework is considered due at the end of the class period. Any homework turned in after class will be considered late. Homework that is turned in one day late will be downgraded by 50% of the total available points. Homework will not be accepted more than one day late, NO EXCEPTIONS.

Homework Guidelines: One of the purposes of Math 345 is to teach you how to write mathematics. Mathematics is a precise science and your homework should reflect this. The following are guidelines that should be followed for submitting homework:

- Please do not use spiral bound paper.
- Make sure that your work is neat and legible.
- You may work with other students but please submit your own write-ups.
- Make sure you clearly indicate which problem you are working on.

A good habit is to write each homework twice. The first time is to produce a draft and the second time is to produce a finished product. Your papers should be written as if your fellow students are your audience. They should be written in a manner such that any other student could reasonably follow your arguments. Thus you need to be very clear and explicit in setting up your proofs and in your subsequent arguments.

Midterm Exams: There will be two 48 minute midterm exams given during the quarter. They will be given on a lecture day at the usual time and place. The midterm exams will each count for 20% of your grade.

Final Exam: There will be a 1 hour and 48 minute final exam. It will be cumulative with an emphasis on material covered after the second midterm. It will count for 40% of your grade.

Grades: Grades will be based upon your performance on the quizzes and the exams and weighted as mentioned above.