

**MATH 446–646 (Spring 2007)**  
**MWF 12:00-12:50 pm at Morrill Hall 109**

**Instructor:** Maria Alfonseca  
**Office:** Minard 301C  
**E-mail:** maria.alfonseca@ndsu.edu  
**Phone:** 231-8254  
**Office Hours:** MWF 3:00-3:50 and by appointment.

**Text:** *Introduction to Topology* by Bert Mendelson, Dover Publications.

**Topics:** Theory of sets, Metric spaces, Topological spaces and continuous functions, Connectedness, Compactness, Homotopy of paths and the fundamental group.

**Attendance:** Attendance is expected and required. You are responsible for all the material covered in class and all the assignments and announcements made.

**Homework:** Homework problems will be assigned at the end of each lecture and collected once a week. You are highly encouraged to go to my office hours, ask questions in class and discuss the material with other students.

**Quizzes:** Several quizzes will be given during the semester. The lowest quiz score will not contribute to your final grade. There will be no make-ups for missed quizzes.

**Exams:** There will be two tests and a comprehensive final exam. Make-up exams will only be given in exceptional circumstances and require prior approval of the instructor. A written verification for the reason will be required – note from a physician, etc.

*Exam 1* - Friday, February 23, during lecture.

*Exam 2* - Friday, April 13, during lecture.

*Final Exam* - Wednesday, May 9, 1:00-3:00 p.m.

**Grading policy:** The overall grade will be based on your performance on tests, homework and quizzes as follows:

- Homework: 20%
- Quizzes: 20%
- Tests 1 and 2: 30%
- Final Exam: 30%

**Special Needs:** Any students with disabilities or other special needs, who need special accommodations in the course, are invited to share these concerns or requests with the instructors soon as possible.

**Academic Honesty:** All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct (<http://www.ndsu.nodak.edu/policy/335.htm>).