

**MATH 481 Section 01**  
**Summer 2007 MTWRF 10:15am-12:15pm**  
**210 Administration Building**  
**Dr. Chad A.S. Mullikin**

**Contact Information :**

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Office : AB 270

Phone : 380-3088

**General Information :** Lectures will be held MTWRF from 10:15am until 12:15pm in the Administration Building room 210. .

My office hours (AB 270) will be from 9:00-10:00am MTWRF (or by appointment).

**Textbook :** Introduction to General Topology, George L. Cain.

**Course Description :** This course develops the fundamental concepts related to continuity, connectedness, and compactness by generalizing the idea of open and closed sets.

**Homework and Tests :** There will be one in class midterm examination and the final examination. The remaining class periods will be dedicated to writing complete proofs to the exercises in the book. A typical day will involve students presenting solutions to the problems in the text to the rest of the class with assistance by the professor as needed.

**Midterm: Monday July 09, 2007**

**Final Exam: July 21, 2007 10:15-12:15pm**

*Any student with a valid excuse for missing an exam must obtain permission to reschedule well before the examination date. Please let me know of any conflicts immediately.*

**Attendance :** Attendance is required, especially for a summer class. Missing one day of a summer class is roughly equivalent to missing a week of fall or spring classes and the instructor reserves the right to withdraw a student for excessive absences.

**Grading :** The majority of your grade will come from the work we do day to day in class. It is expected that each student present a solution to roughly one problem each day. I will critique your work and assign the classwork portion of your grade by considering the frequency of solutions as well as accuracy.

Classwork :60%

Midterm :20%

Final Exam :20%

Letter grades are awarded according to the following:

$97 \leq \mathbf{A}+$
$93 \leq \mathbf{A} < 97$
$90 \leq \mathbf{A}- < 93$
$87 \leq \mathbf{B}+ < 90$
$83 \leq \mathbf{B} < 87$
$80 \leq \mathbf{B}- < 83$
$77 \leq \mathbf{C}+ < 80$
$73 \leq \mathbf{C} < 77$
$70 \leq \mathbf{C}- < 73$
$67 \leq \mathbf{D}+ < 70$
$63 \leq \mathbf{D} < 67$
$60 \leq \mathbf{D}- < 63$
$\mathbf{F} < 60$

**Accommodations :** Students who want to receive disabilities accommodations should contact Mrs. Dunklin, Coordinator for Student Support Services at 380-3470 as soon as possible so that warranted accommodations can be arranged. Her office is located in Student Academic Services, 1st floor, Administration Building.

**Withdrawal :** Only under extreme circumstances will I award a student a W or WF after the deadline. These grades are reserved for students who for some reason cannot complete the remainder of the course, i.e., students who are physically unable to return to the classroom.

**Tentative Schedule :** This schedule is subject to change as needed.

June 25 : Pseudometrics	July 09 : Midterm Exam
June 26 : Closed and Open Sets	July 10 : Path-Connected Spaces
June 27 : Topological Spaces	July 11 : Locally Connected/Path-Connected Spaces
June 28 : Base for a Topology	July 12 : Compact Spaces
June 29 : Subspaces	July 13 : The One-Point Compactification
July 02 : Continuity	July 16 : Products of Spaces
July 03 : Homeomorphisms	July 17 : The Strong and Quotient Topology
July 04 : Whiizzzz Pop!	July 18 : Quotient Maps
July 05 : The Weak Topology	July 19 : Quotient Spaces
July 06 : Connected Spaces and Components	July 20 : Review

**Caveat Discipulus:** This syllabus is subject to change as necessary.