Textbook: None. The class will be taught using a “modified Texas Method”.

Prerequisites: Graduate standing with background in mathematics, including theorem proving classes.

Topics to be covered: Introductory point set topology, topological operators, subspaces, continuity, classical separation axioms, connectedness, convergence, covering properties, and product spaces as time permits.

Class Objective: At the end of the class, the successful student will have used the presented theory to solve related problems and have proven theorems as expected in the “Texas Method.”

Grading policy: In the class 80% of the grade will be determined by your classroom participation. During the class you will be given hand-outs containing definitions, problems, and theorems for which you are to provide solutions and proofs. The expectation is that you will present your solutions to the problems and proofs of the theorems during class time in a timely fashion. There will be two tests in the class each worth 10%.

Test 1 Wed. Oct., 31 Test 2 Mon., 10, 1:15 – 3:15

Getting help: Requests from students with disabilities for reasonable accommodations must go through the Office of Student Disability Resources and Services, Gee Library, Room 132, telephone (903)-886-5150.

Attendance and participation in classroom activities are expected. According to the Student’s Guide Handbook, Policies and Procedures, Conduct, all students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.

Let’s all work hard and have a happy, productive semester.