

SYLLABUS (Spring 2006)

MAA 5416: **FOUNDATIONS OF ANALYSIS**

INSTRUCTOR: Richardson

PHONE: 407-823-2753

OFFICE HOURS: Office: MAP 126, T,W,R, 2:30-4:00 p.m.

CLASS MEETS: TR: 6:00-7:15 p.m. in MAP 405

TEXT: Topology (2nd edition)
by James R. Munkres

GRADING POLICY: Two tests (25%each) and final exam (50%)

**COURSE TOPICS
SELECTED FROM:**

Ordered sets, topological spaces, filter convergence, introduction to category theory, subspaces, product and quotient spaces, compactness, connectedness, completeness, compactifications and completions, function spaces, topological groups, fundamental groups and path homotopy, fuzzy topological spaces.

IMPORTANT DATES:

Classes Begin:	January 9
Add/Drop:	January 9-13
Withdrawal Deadline:	March 3
Classes End:	April 24
Final Exam:	Tuesday, April 25, 4:00-6:50 p.m.

HOLIDAYS:

Martin Luther King, Jr. Day:	January 16
Spring Break:	March 13-18