Instructor: Professor Robert W. Jackson, 215K Marcus Hall
Instructor Contact: Phone: (413) 545-1386
email: jackson@ecs.umass.edu
All students must have access to email.
Office Hours: TBD
Lecture Schedule: Tuesday, Thursday 2:30-3:45, ELAB327
See attached detailed schedule
Course Synopsis: This course presents theory and techniques used in the design of modern microwave and millimeterwave active circuits. The emphasis of the course is on amplifier and oscillator circuits using three terminal devices such as FETs and HBTs.
Prerequisites: Microwave Engineering I (ECE 584) or equivalent
Course Requirements: (1) Homework (25%) - 9 assignments many of which will require the use of basic features in microwave CAD software similar to Ansoft Designer, Agilent ADS, HSPICE.
(2) Midterm Exam (30%)
(3) Final Exam (45%)
Primary Reference: Instructor’s Course Notes

Additional References: (1) Microwave Engineering, Pozar, 1997.