INSTRUCTOR Hualong Feng  EMAIL hfeng8@iit.edu  PHONE (312) 567 - 8933
LECTURES M W F at 8:35AM - 9:50AM, Room 204 Siegel Hall.
LABS / RECITATIONS Wednesdays at 1:50 PM - 3:05 PM, Stuart Building 112.
OFFICE HOURS Monday, Wednesday 1:30 PM – 3:00 PM or by appt., Room 118 Engineering 1

TOPIC CHAPTER SECTION
Inverse functions & their derivatives; Exponential & logarithmic functions;
Indeterminate forms & L'Hospital’s rule. 6.1, 6.2* – 6.4*, 6.5, 6.8
Techniques of integration; Improper integrals. 7.1 – 7.4, 7.8
Differential equations. 6.5, 9.1 – 9.5
Parametric equations and polar coordinates for plane curves 10.1 – 10.4
Sequences; Numerical series; Convergence tests
Power series; Taylor series; Applications of power/Taylor series 11.1 – 11.6, 11.8 –11.11

COURSEWORK
• Homework
Homework problems (online, www.webassign.net) will be assigned regularly and collected once or twice a week. Each assignment should be submitted complete and on time in order to receive full consideration. While you may request extensions of the due date, each extension is good for one day and you will receive a 25% deduction of credit per extension as penalty.
• Mathematica Labs
There will be five or six Mathematica lab assignments. A hard copy of each report must be submitted complete and on time in order to receive full consideration. Reports delivered late will receive penalty.
• Recitation
Students will be provided with a set of review problems prior to each recitation session. All students should carefully review these problems and be prepared to solve them on the board during the session. Individual recitation grades will be based on the accuracy of the solutions presented and the quality of the student’s written and verbal communication skills.
• Exams
There will be three in-class midterm exams and a final examination. The two-hour long cumulative final exam will emphasize the previously untested topics discussed during the final quarter of the semester. It will be administered during the final exam week according to the Registrar’s schedule.

GRADE SCALE
Homework . . . . . . . . . 15 %  A : 85 - 100
Labs . . . . . . . . . . . . . 5 %  B : 75 - 84
Recitations . . . . . . . . . . 5 %  C : 60 - 74
Midterm Exams . . . . . . . 50 %  D : 50 - 59
Final Exam . . . . . . . . .25 %  E : 0 – 49

APPROXIMATE DATES
Midterm Exam1 . . . . . Sep 19
Midterm Exam2 . . . . Oct 17
Midterm Exam3 . . . . Nov 14
Final Exam . . . . . . Registrar’s office http://www.iit.edu/registrar/important_dates/

Class key for www.webassign.net sef-enrollment: iit 2323 5717