MATH 431 "Theory of Differential Equations II, Section A, Spring 2010 (Jan 11 – May 7)

Lecture: Monday, Wednesday, and Friday (except Jan 18, Mar 12/29/31, Apr 2) in IDE G4A from 9AM to 9:50AM. This class has a web site: http://www.mst.edu/~akine/spring10/math431.html

Office Hours: Tuesday/Thursday from 9AM to 10:30AM in 310 Rolla Building. Also by appointment. Appointments may be scheduled in person, by phone, or via e-mail.


Attendance Policy: You are expected to attend every class period (lecture and lab). If you know in advance that you will not be able to attend, let me know. Your enrollment in this course may be terminated for excessive absences, but in any case your total points will automatically be reduced by 5 points for every unexcused absence in excess of five. If you have 3 absences before February 22, an academic alert will be issued.

Course Description: This course introduces the difference calculus, linear difference equations, the z-transform, stability theory, linear systems, and self-adjoint second order linear difference equations and more.

Homework Assignments/Quizzes: Some problems from the textbook are selected, see handout. Either solutions of some assigned problems will be collected as a homework assignment or a quiz will be given in class almost every week. It is recommended that you work on assigned problems daily. 10 of those will be counted towards your grade. Makeup homework and quizzes cannot be given. You might consult with others in our class concerning the solutions of assigned problems.

Exams: There will be 3 exams during the semester and announced at least one week in advance.

Final Exam: The final exam is comprehensive and will be on Tuesday, May 11 from 4PM to 6PM.

Grading Policy: Your grade in the course will be determined by the scores on 3 exams, 10 homework assignments and the final exam. Each homework assignment/quiz, each exam and the final exam will be worth 50, 100, 200 points, respectively. Altogether 1000 points are available.

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