MATH 220 Differential Equations Fall 2017

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Course Webpage: http://www.math.uic.edu/~awanou/Math220

Office hours: M 01:00 pm–01:50 pm and W 10:00 am–10:50 am, and by appointments

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Biography: I'm a professor in the department of Mathematics, Statistics, and Computer Science. I received my Ph.d in mathematics in 2003 from the University of Georgia and spent two years as a postdoctoral associate at the Institute for Mathematics and its Applications, University of Minnesota. I then worked at Northern Illinois University for seven years before coming to UIC in 2012. My research interests are primarily in the numerical analysis of partial differential equations. In 2009, I was awarded a Sloan fellowship.

Course information: M W F 11:00AM–11:50AM 130 SES

Textbooks, Exams, Homework, Quizzes, Grade distribution, sample exams and additional ressources
See the course main page http://www.math.uic.edu/coursepages/math220/

Prerequisite: Grade of C or better in MATH 210.

Credit hours: 3

Course goal and objectives: Techniques and applications of differential equations, first and second order equations, Laplace transforms, series solutions, graphical and numerical methods, and partial differential equations.

Drop and Withdrawals: All drops of or withdrawals from courses must be accomplished before the applicable deadlines indicated in the Schedule of Classes, F Nov 3.

Attendance policy: Students are expected to attend each lecture and participate in the discussions.

Academic Honesty and Civility in the Classroom: Academic honesty and mutual respect (student with student and instructor with student) are expected in this course. Mutual respect means being on time for class and not leaving early, (if you have to leave, arrange to sit near the door and leave quietly), being prepared to give full attention to class work, not reading newspapers or other material in class, not using cell phones, pagers or other electronic devices during class time, no sleeping, no eating, not bringing children to class, not talking to classmates outside of group work, not copying the solutions of the home works from unnamed sources and not looking at another student's work during exams. Please avoid any behaviour that may distract others' attention. You should refrain from resting your feet on the seats and from chewing gum. Your cell-phone need to be switched off and do not send/receive text messages.

Academic misconduct and incivility in the classroom, as defined by the Student Disciplinary Policy, will not be treated lightly.

Doing well in the class After each lecture, reread the material, review your class notes and do as many of the assigned exercises as you can before the following class. In doing homeworks, you should document carefully the kind of algebra mistakes you make. Most students need to go over the most difficult problems several times and you may find that you need to do additional exercises. It is also a good idea to review your notes repeatedly, partly to identify areas of confusion, partly to review. You must stay on top of the material from day one. If you do not understand a concept or technique seek help immediately. You should consult your book or ask a fellow student. You could also seek help through office hours. Experience has shown that students who take advantage of these opportunities regularly tend to do better in the course. Help for MATH 220 is available in the Mathematical Sciences Learning Center. Please bring to my attention early any concerns about class pace, material, sections, quizzes and homework.

Disability services: If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it or which will require academic accommodations, please notify me within the first two weeks of class.

Disclaimer: This syllabus provides a general guide for the course: deviations may be necessary. Deviations from the textbook should be expected.