

UConn - Math 3410 - Fall 2017

Course basics

Course: Math 3410, Sections 001 and 002

Course Name: Differential Equations for Applications

Semester: Fall 2017

Meeting Time: MWF 9:05am - 9:55am

Classroom: LH 201

Instructor Contact Info

Murat Akman

Office: MONT 304

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Office Phone: 860-486-0777

Office Hours: M 12:00-13:30 and W 12:30-14:00 at MONT 304

Description of the Course: Series solutions of differential equations, Bessel functions, Fourier series, partial differential equations and boundary value problems, nonlinear differential equations.

Required Text: Morris Tenenbaum and Harry Pollard. *Ordinary Differential Equations*. Dover, 978-0486649405, Mineola, New York, Revised ed. of 1st edition, October 1985.

Course website: <http://www.math.uconn.edu/~akman/math3410f17/index.html> for homework assignments, lecture notes, and announcements.

HuskyCT: huskyct.uconn.edu for class announcements and grade sheet.

Grading policy: Grades will be calculated based on weekly homework assignments, two midterms, a final exam and quizzes. Your cumulative average will be based on;

Homework: %28, **1st Exam:** %20, **2nd Exam:** %20, **Final Exam:** %30, **Quizzes:** %2.

Important dates: Please check Academic calendar of UCONN for Fall Semester 2017 at <http://registrar.uconn.edu/academic-calendar/fall-2017/> for important dates.

1st Exam: October 4, Wednesday, **2nd Exam:** November 3, Friday, **Final Exam:** To be announced by the registrar office.

Attendance: You are expected to attend classes regularly. You are responsible for everything announced in class including changes in the course syllabus.

Homework: Homework assignments will be announced on the course website every week on Fridays and will be collected in class a week after that (due next Friday). The first homework will be assigned on the first week of the semester on Friday. Late homework will *NOT* be accepted and there will be *NO exceptions* to this policy. If you will not be in class when homework is due, you can hand in your assignment early or e-mail me an electronic copy by the beginning of the class it is due. Homework will cover the concepts of that week.

You are encouraged to work together on homework problems, but you must write up your solutions **independently**. All students are responsible for writing their own written solutions, carefully citing and acknowledging sources. Homework solutions must be presented in an or-

ganized, legible, and comprehensible fashion, or will be marked down.

Quizzes: There will be five quizzes during the semester. Missing a quiz without a valid excuse(see valid excuses) will count as a 0.

Calculators: Graphing calculators (such as TI 82, 83, 85 or 86) are allowed but not necessary. But any calculators that can perform symbolic operations (such as TI 89 or 92) are NOT allowed.

Exams: There will be 3 exams (two in class exams and one final exam) during the entire semester. Two of these will be given in class. The first exam will be on **October 4, Wednesday** and second exam will be on **November 3, Friday**. The final exam will be during the finals week and it will be announced later in the semester. **MAKE UP EXAMS** will be given only in case of a valid excuse (See Valid Excuses below). See also rules on exam rescheduling <http://guide.uconn.edu/student-interactions/rescheduling-exams/>.

Valid Excuses: The only valid excuses for missing an exam or quiz are a family-related crisis, a serious health problem, or you are on official UConn business travel. If this is the case, you will need an official document from a university officials verifying your situation. In such instances, you should notify me as soon as possible. If you are a student athlete and if your team travel schedule conflicts with a scheduled exam please let me know ahead of time.

Letter grades: After your average is calculated, letter grades will be assigned based on the standard grading cut-offs. I may adjust the cut-offs, but it is guaranteed that the cut-offs will NOT be adjusted to make it harder to get a better grade.

Syllabus Revision: The instructor reserves the right to make any changes in this syllabus at any time. Notice of such changes will be by announcement in class and changes to this syllabus will be posted on the course website. It is your responsibility to keep up with the changes.

Academic Integrity Policy: All graded material must be your original work. You are expected that you are aware of your individual responsibilities under the academic integrity policy of UConn at <http://community.uconn.edu/academic-integrity-faculty-faq/>. Violations of these policies will not be tolerated and will result in serious consequences and disciplinary action.

Special Needs: Students with disabilities are encouraged to share, in confidence, information about needed specific course accommodations. You may also contact the Center for Students with Disability as well <http://www.csd.uconn.edu/>.