Instructor: Professor Alexander Tumanov

Office: 231 CAB (SW corner of Springfield and Wright.)

E-mail: tumanov at illinois dot edu

Web: https://faculty.math.illinois.edu/~tumanov/

Class Meetings: Tuesday and Thursday at 9:30 - 10:50 in 245 Altgeld Hall. Lecture notes will be posted. Please study them in advance to get prepared for the meetings so you can participate.

Office Hours: Tuesday and Thursday at 1:00 pm. Let me know in class that day if you plan to come. Alternatively, make an appointment.


Course Material: Fundamental processes of the real world involve quantities that depend on many variables. They are described by differential equations with partial derivatives, hence the name of the subject. Partial differential equations (PDE) play a central role in modern mathematics. This course is an introduction to PDE. We will cover Chapters 1-6 of the textbook and more as time permits.

Homework: Weekly homework assignments with due dates will be posted under "Homework Assignments" tab. Homework will be collected online under "Homework Upload" tab. As a rule, each homework will be due before the class meeting on Tuesday of the following week. Solutions will be posted. No late homework will be graded. I will drop the lowest homework when calculating your final grade (a dropped homework may be a zero).

Quizzes: We may occasionally have short quizzes. Each quiz will be announced.

Exams: There will be three midterm exams on TBA. Books, notes, calculators, cell phones, other electronic devices will not be allowed during the exams. No make-up exams will be given. In case of university sponsored travel or documented illness or emergency, a midterm exam may be dropped. The final exam will take place on TBA.

Grading: Your course grade will be based on three midterm exams, homework and quizzes, and the final exam. Each midterm exam is worth 17.5%, homework and quizzes altogether - 17.5%, and the final exam - 30%. Tentative curve:
I may slightly adjust the curve later to see it fit.

**Academic integrity:** According to the Student Code, "It is the responsibility of each student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions." It is my responsibility as an instructor to uphold the academic integrity policy of the University, which can be found at http://studentcode.illinois.edu

**COVID-19:** Students should follow the university guidelines regarding COVID-19.

**Concluding Remarks:** The course will be challenging for most students. You will have to understand the proofs of theorems and derivations of formulas. Learn the ideas, don’t memorize solutions to particular examples. Express yourself clearly. Start working early. Get prepared for every class meeting. Your grade and satisfaction will depend on your effort.

Start working today. Tomorrow may be too late.

Good Luck!