Fall 2016: Math 241 (Calculus IV) Section 001

This course is an introduction to Partial Differential Equations (PDEs). Topics discussed in the course include: Heat, Wave and Laplace equations, Separation of Variables, Fourier series, Sturm-Liouville problems, Bessel functions and Fourier transform.

Course information:
- Main Math 241 Home Page: https://www.math.upenn.edu/ugrad/calc/m241/
- Syllabus: https://www.math.upenn.edu/ugrad/calc/m241/syllabi/math241syllabus.pdf
- Canvas: https://canvas.upenn.edu


Instructor: Maja Taskovic
- Email: taskovic at math.upenn.edu
- Office hours: Monday 2-3pm, Wednesday 11am -12pm, and by appointment
- Office: DRL 4N34

Teaching Assistant: Qingyun Zeng
- Email: qze at math.upenn.edu
- Office hours: Tuesday and Thursday 3:30-4:30 pm, and by appointment
- Office: DRL 3C17

Classes:
- Lectures: Monday, Wednesday and Friday 10-11am, DRL A4
- Recitations: Tuesday 8:30-9:30, 9:30-10:30 am, DRL 3N6
  Thursday 8:30-9:30, 9:30-10:30 am DRL 3N6

Exams:
- Midterm 1: Friday, September 30, in class
- Midterm 2: Wednesday, November 2, in class
- Final Exam: Monday, December 19, 9:00-11:00 am

Grades will be based on:
- Homework: 15%
- Midterm 1: 20%
- Midterm 2: 25%
- Final Exam: 40%

Homework: Weekly homework will be posted on Canvas on Wednesdays and will be due the following Wednesday in class. Late homework will not be accepted. Two lowest homework scores will be dropped. You are welcome to discuss homework problems with your classmates and seek help during the office hours etc. However, you need to write up solutions independently in your own words.
**Exams:** There will be two in class midterm exams and a cumulative Final Exam. All exams are closed-book, and no calculators, smart phones etc. are allowed. There are no make-up midterms, so please make sure you can attend exams on the dates listed above. If you miss one midterm for medical reasons, your Final Exam will have a double role – in addition to the final exam grade, the portion of the Final Exam that covers the missing midterm material will be used to replace the missing midterm grade. If you miss the Final Exam and obtain permission from the dean’s office to take a postponed exam, you will get the grade I (incomplete), and you will need to take the make-up Final Exam according to the Fall 2016 Postponed Final Exam Schedule.

**Math help:** [https://www.math.upenn.edu/ugrad/mathhelp.htm](https://www.math.upenn.edu/ugrad/mathhelp.htm)

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**Academic Accommodations:** University of Pennsylvania provides reasonable accommodations to students with disabilities who have self-identified and been approved by the office of Student Disabilities Services (SDS). If you would like to request accommodations or have questions, you can make an appointment by calling SDS 215.573.9235. The office is located in the Weingarten Learning Resources Center at Stouffer Commons 3702 Spruce Street, Suite 300. All services are confidential. For more information, please see SDS website: [http://www.vpul.upenn.edu/lrc/sds/](http://www.vpul.upenn.edu/lrc/sds/)