Fall 2017: Math 241 (Calculus IV) Section 002

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:
Math 241 Home Page:
https://www.math.upenn.edu/undergraduate/calculus-homepages/calculus/mathematics-241

Core Problems:

Canvas:
https://canvas.upenn.edu

Textbook:

Instructor: Maja Taskovic (taskovic at math.upenn.edu)
Office hours: Tuesday, 4:00-5:30pm and by appointment
Office: DRL 4N34

Teaching Assistant: Matei Ionita (matei at sas.upenn.edu)
Office hours: Wednesday, 12:00-2:00pm
Office: 3E6A

Classes:
Lectures: Tuesday and Thursday 10:30am-12:00pm, DRL A6
Recitations:
Section 201: Wednesday 8-9am, DRL 3N6
Section 202: Wednesday 9-10am, DRL 3N6
Section 203: Friday 8-9am, DRL 4C8
Section 204: Friday 9-10 am, DRL 4C8

Exams:
Midterm 1: Tuesday, October 3, location TBD
Midterm 2: Tuesday, November 21, location TBD
Final Exam: Thursday, December 14, 9-11 am, location TBD

Grades will be based on:
Homework: 15%
Midterm 1: 20%
Midterm 2: 25%
Final Exam: 40%
**Homework:** Weekly homework will be posted on Canvas a week before it is due in class. Late homework will not be accepted, but 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 Final Exam 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 2017 Postponed Final Exam Schedule.

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

---

**Code of Academic integrity:** The following is from the University’s website on academic integrity -- Since the University is an academic community, its fundamental purpose is the pursuit of knowledge. Essential to the success of this educational mission is a commitment to the principles of academic integrity. Every member of the University community is responsible for upholding the highest standards of honesty at all times. Students, as members of the community, are also responsible for adhering to the principles and spirit of the Code of Academic Integrity found in Pennbook. For a complete listing of the expectations surrounding academic integrity, see [https://provost.upenn.edu/policies/pennbook/2013/02/13/code-of-academic-integrity](https://provost.upenn.edu/policies/pennbook/2013/02/13/code-of-academic-integrity)

**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/)