Spring 2019: 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:
- Core Problems: https://www.math.upenn.edu/sites/www.math.upenn.edu/files/math241syllabus.pdf
- Canvas: https://canvas.upenn.edu

Instructor:
Maja Taskovic (taskovic at math.upenn.edu)
Office hours: Tuesday, 4:00-6:00 pm
Office: DRL 4N34

Teaching Assistant:
Yao-Rui Yeo (yeya at sas.upenn.edu)
Office hours: Wednesday, 4:30 – 6:30 pm
Office: DRL 4C15

Classes:
- Lectures: Tuesday and Thursday 10:30 – 11:50 am, DRL A4
- Recitations:
  - Section 201: Monday 8-9 am, DRL 4C2
  - Section 202: Monday 9-10 am, DRL 4C2
  - Section 203: Friday 8-9 am, DRL 4C2
  - Section 204: Friday 9-10 am, DRL 4C2

Exams:
- Midterm 1: Tuesday, February 19, 10:30 – 11:50 am, location TBA
- Midterm 2: Tuesday, April 2, 10:30 – 11:50 am, location TBA
- Final Exam: Friday, May 10, 12:00 – 2:00 pm, location TBA

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

Drop period ends on **February 22, 2019**.
Last day to withdraw from a course: **April 5, 2019**.
Last day of classes: **May 1, 2019**.

**Homework:** Weekly homework will be posted on Canvas a week before it is due in class. Late homework will not be accepted, but one lowest homework score 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 Spring 2019 Postponed Final Exam Schedule.

**Help:**

- **Calculus help:** [https://www.math.upenn.edu/undergraduate/getting-help/calculus-help](https://www.math.upenn.edu/undergraduate/getting-help/calculus-help)
- **Calculus Startup program:** [https://www.vpul.upenn.edu/tutoring/calculusstartup.php](https://www.vpul.upenn.edu/tutoring/calculusstartup.php)
- **Calculus videos:** [https://www.math.upenn.edu/undergraduate/calculus-homepages/math-video-archive](https://www.math.upenn.edu/undergraduate/calculus-homepages/math-video-archive)

**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/)