Math 241: Calculus IV
Spring 2019 Syllabus

Instructor: Renee Bell (rhbell at sas DOT upenn DOT edu)
Lectures: Monday, Wednesday, Friday 10-11AM in David Rittenhouse Laboratory room A4.
Office hours: Monday 2-3PM, Wednesday 11AM-12PM, or by appointment. Don’t hesitate to come to office hours! Math is explained best in person.
Office: DRL 4N61
Course Web Page: Canvas

TA: Pranav Iyer, iyerp@sas.upenn.edu
TA Office hours: Tuesday 12-1, Wednesday 1-2
TA Office: DRL 4C9

Course Overview: 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.


Canvas: The class will make use of Canvas to post assignments, grades, announcements, etc. Students will be responsible for checking Canvas regularly during the semester.

Homework: Weekly homework will be posted on Canvas a week before it is due in class. 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. Homework is to be submitted on Canvas; you can use the CamScanner app to scan handwritten homework and submit it on Canvas. Late homework will not be accepted. One lowest homework score will be dropped.

Attendance and Course Notes: It is in your best interest to attend each lecture and take accurate notes. You will be tested on the material as it is covered in class. If you miss a lecture, make sure that you copy from a classmate and review the notes from that day.

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 2018 Postponed Final Exam Schedule.

The first exam is on February 18. Before drop deadline.
The second exam is on April 3. Before withdraw deadline.
The final exam is on Friday, May 10 12PM-2PM.

Evaluation: Your final grade is based on the homework (15%), the midterms (20% for
the first midterm, 25% for the second midterm), and the final exam (40%).

Academic accommodations: University of Pennsylvania provides reasonable accom-
modations 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 accommoda-
tions 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/

Extra resources:

• Math Help is available Monday through Thursday 4PM to 7PM in Education
  Commons 235. No appointment is necessary. This is a great place to work together
  on homework, with extra assistance available if need be.

• The Tutoring Center www.vpul.upenn.edu/tutoring/

• Math Department Approved Private Tutors www.math.upenn.edu/ugrad/
tutors.html

• CAPS (Counseling and Psychological Services at Penn) is a great resource to help
  you manage stress and personal problems and to generally have a happier and more
  productive time at Penn! Please reach out to them if you are feeling overwhelmed
  or just need someone to talk to https://www.vpul.upenn.edu/caps/