

Math 367 Spring 2019

Syllabus

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 222

OFFICE HOURS: Monday and Wednesday, 1:30-2:30PM. You may also set up time on Friday between 12:30 and 1:30PM (please do that in advance). If you can't make these times, feel free to schedule a different time.

You may also stop by anytime my office door is open, or email me.

OFFICE PHONE: 527-5151

EMAIL: hundledr@whitman.edu

CLASS WEBSITE: <http://www.whitman.edu/~hundledr/courses/M367.html>

1. Course Info: Math 367 Section A.
2. **Text:** Applied Partial Differential Equations, 5th edition, Richard Haberman.
3. **Content:** The first few topics below we will cover, and the remaining topics will be covered as time permits:

The Heat Equation, Separation of Variables, Fourier Series, The Wave Equation, The Sturm-Liouville Theorem, Higher Dimensional PDE's, Green's Functions.

4. **Homework:** There will be approximately weekly homework assignments. The assignments will be evaluated on the quality of a select subset of exercises, the completeness of the entire set and the organization and presentation of the submission. Homework will generally be collected on Mondays (More info on the class website).

Late Work: Late work will be assessed a late penalty- If it is n days late, you lose $n(n + 1)/2$ points.

5. Grading Criteria:

There will be two midterms and a final (see the course calendar- The dates won't change). The midterms will each count for 25% of the overall grade. The final exam will account for 30%, and the homework will make up the remaining 20%.

Grading is done on a standard scale:

$$\begin{array}{llllll} A = 92 - 100 & A- = 90 - 91 & B+ = 88 - 89 & B = 82 - 87 & B- = 80 - 81 \\ C+ = 78 - 79 & C = 72 - 78 & C- = 70 - 71 & D = 60 - 69 & F = 59 \text{ and below} \end{array}$$

Note: If you need to leave the room during an exam, I will ask you to leave your phone at my desk, and you can pick it up when you return.

6. **Cheating:** Detailed solutions to most or all of the problems in the text can be found with a simple internet search. You may not use these. Less detailed solutions to selected problems are in the back of the text. You may use these. If you have questions, ask me.

All the work you submit to me is implicitly understood to be your own. If it is discovered that it is not, you will be prosecuted under the College's plagiarism guidelines. If you are tempted to cheat to complete a pressing assignment, instead, please talk to me about it.

7. **Cooperation...** not collaboration. Engineering mathematics can be difficult. The only way to get it is to do it yourself. As such, while you may discuss general approaches to homework problems with each other, discussion of specific details is not allowed.

8. Please be courteous to your fellow students:

- Class begins exactly on the hour, and the first 5-10 minutes are the most important, so please be on time.

- Please silence your cell phones, and store them during quizzes and examinations.
 - No laptop computers, ipads or cell phones during class, please! They tend to be very distracting!
9. **Be sure to check your Whitman email regularly.** I will occasionally send out important information about the class via email.
10. I would like to create a learning environment for you that supports a diversity of thoughts, perspectives and experiences. To help accomplish this:
- (a) If you have a name and/or set of pronouns that differ from those that appear in your official College record, please let me know (feel free to send me an email if that's easier for you).
 - (b) If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you. Remember that you can also submit anonymous feedback. Also, the Academic Resource Center has a great staff that are there to help you as well.
 - (c) I (like many people) am still in the process of learning about diverse perspectives and identities. If there was something in class that made you feel uncomfortable, please talk to me about it. (Again, anonymous feedback is always an option).