

# Math 3150-001: Partial Differential Equations (PDEs)

MWF 12:30 - 2:00 JWB (John Widtsoe building) 335

**Instructor** Chris Miles, PhD

**Contact** email: [miles@math.utah.edu](mailto:miles@math.utah.edu) (preferred method)  
office location: LCB (LeRoy Cowles building) 326  
office hours: **M 1130-1230, F 1130-1230** or by appointment

**Textbook** *Partial Differential Equations for Scientists and Engineers* by W. H. Nesse. Free PDF available on course webpage.

**Webpage** Canvas will be used regularly throughout the course for grades, announcements, and materials. It is expected that students stay up to date.  
[canvas.utah.edu/courses/499302](https://canvas.utah.edu/courses/499302)

<b>Important dates</b>	First day	Monday, May 14
	Last day to add, drop, audit	Thursday, May 17
	Memorial Day holiday (no class)	Monday, May 28
	Last day to withdraw	Friday, June 1
	Final meeting/exam	Wednesday, June 20

**Grades** final (30%) + in-class assignments (20%) + homework (25%) + quizzes (25%) = 100%

**Cheating** If a student is caught cheating on any homework, quiz, or exam, they will automatically receive a zero for that assignment. Depending on the severity of the cheating, the student may also immediately fail the course.

<b>Flexibility</b>	As the instructor, I reserve the right to modify any of the policies listed on this syllabus with appropriate notice given to the students. <b>Updates will be highlighted in this color.</b>
<b>Quizzes</b>	Rather than have a midterm exam, we'll have several weekly quizzes. These quizzes will cover the material from the previous week, and are meant to serve as a check of whether students are keeping up with the (somewhat frantic) pace of the course. Some of these may end up being group quizzes at the instructor's discretion. <i>No quizzes will be dropped and no-makeups will be offered.</i>
<b>Final exam</b>	All students are expected to take the <b>comprehensive</b> final exam and <b>cannot</b> pass the course without taking it. The room will be the usual meeting place (JWB 335). <i>Students with conflicts should speak to the instructor as soon as possible but unless it is an absolute emergency no student will be allowed to take the final exam early.</i>
<b>In-class assignments</b>	To incentive attendance, there will be in-class participation assignments every lecture day (excluding exam or review days). <b>Three</b> of these will be dropped (with no penalty to the student), and otherwise no make-up will be available.
<b>Homework</b>	Homework will be assigned at the end of each section covered, and then collected weekly. All homework assignments will be posted on the Canvas page. The homework will be graded for effort and completion, not correctness. The lowest score will be dropped. <i>No late homework will be accepted.</i>
<b>Technology</b>	Calculators are <i>not</i> allowed on exams or quizzes, but otherwise the use of technology is strongly encouraged. It is not expected that students are experts in coding, but knowing basic MATLAB or similar will benefit the students greatly on several homework assignments.

## **ADA statement**

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, (801) 581-5020. CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services.

## **Sexual misconduct**

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/ expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veterans status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801- 581-8365, or the Office of the Dean of Students, 270 Union Building, 801- 581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS).

## **LGBT resource center**

If you are a member of the LGBTQIA\* community, I hope to convey that my classroom is a safe zone. Additionally, the University of Utah has an LGBT Resource Center on campus. They are located in Room 409 in the Olpin Union Building. Hours: M-F 8-5pm. You can visit their website to find more information about the support they can offer, a list of events through the center and links to additional resources: <http://lgbt.utah.edu/>. Please also let me know if there is any additional support you need in this class.

## **Veteran's center**

If you are a student veteran, the University of Utah has a Veterans Support Center located in Room 161 in the Olpin Union Building. Hours: M-F 8-5pm. Please visit their website for more information about what support they offer, a list of ongoing events and links to outside resources: <http://veteranscenter.utah.edu/>. Please also let me know if you need any additional support in this class