

Course Syllabus
MA4515 - Introduction to Partial Differential Equations
College of Science and Arts
Spring 2016

Instructor Information

Instructor: Allan Struthers
<http://www.math.mtu.edu/~struther/>
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Office Hours: 8:00am - 9:00am T/Th
10:00am - 11:00am T/Th
3:00pm - 4:00pm M/W/F

Course Identification

Course Number: Ma4515-R01
Course Name: Introduction to Partial Differential Equations
Course Location: 132 Fisher Hall
Class Times: MWF 2:05pm - 2:55pm
Prerequisites: ODE and Linear Algebra

Course Description/Overview

Partial differential equations describe many systems in the real world. We will work through chapters 1-5 with additional material as time allows.

Course Learning Objectives

A basic understanding of separation of variables techniques for partial differential equations

Course Resources

Course Website(s)

- Canvas <<http://www.courses.mtu.edu>>
- Course Directory <<http://www.math.mtu.edu/~struther/Courses/4515>>

Required Course Text

- Applied Partial Differential Equations with Fourier Series and Boundary Value Problems, 5th Edition, Haberman

Course Fees

None

Course Supplies

None

Grading Scheme

Grading System: Cut offs for A/B/C/D are 90/80/70/60

Late Assignments: only accepted for medical and university travel.

Homework	25%
Exam 1	25%
Exam 2	25%
Final	25%

Course Policies

Working together on HW and projects is encouraged. You need to make sure that you understand your individual submissions. Exams are individual exercises you need to complete without external assistance. Exam dates and schedule to be determined.

Collaboration/Plagiarism Rules

You are not allowed to collaborate on exams. Exam dates and schedule to be determined.

University Policies

Student work products (exams, essays, projects, etc.) may be used for purposes of university, program, or course assessment. All work used for assessment purposes will not include any individual student identification.

Michigan Tech has standard policies on academic misconduct and complies with all federal and state laws and regulations regarding discrimination, including the Americans with Disabilities Act of 1990. For more information about reasonable accommodation for or equal access to education or services at Michigan Tech, please call the Dean of Students Office, at (906) 487- 2212 or go to http://www.mtu.edu/ctl/instructional-resources/syllabus/syllabus_policies.html

Course Schedule

The academic calendar is online at

<http://www.mtu.edu/registrar/students/calendars/academic/>