

Department of Mathematics, UAB
Introduction to Differential Equations
MA655-2D, Spring 2024

Instructor: Dr. Junfang Li, Room 4006, University Hall.

Phone/Email: (205) 934-2154 /jfli@uab.edu

Office Hours: TTh morning/by appointment/by email.

Prerequisite Courses: MA642, or MA650, or permission of instructor.

Class Meetings: TTh: 12:30pm – 1:45pm, Room UH 4002.

Term Dates: First day of classes is Tuesday January 9, 2024, and the last day of classes is Thursday April 18, 2024.

Text Book: *A Basic Course in Partial Differential Equations*, by Qing Han, Graduate Studies in Mathematics, Volume 120, American Mathematical Society, Providence, RI, 2011.

Reference Books:

- (1) *Partial Differential Equations, An Introduction*, 2nd Edition, by Walter A. Strauss, John Wiley & Sons, Ltd, Hoboken, NJ, 2008.
- (2) *Applied Partial Differential Equations*, 3rd Edition, by J. David Logan, Springer-Verlag, New York, 2015.

Grading: The course grade will comprise the following:

1 midterm (20%)

Regular homework (40%)

A comprehensive final examination (40%)

Make-up(s): None.

If you miss the final, you will receive a score of zero on the exam. If you miss the midterm for serious and verifiable circumstances, your score on the final will be used (proportionally) in its place.

Homework: No late homework will be accepted; for any reason!

Final Examination: Thursday, April 25th, 2024, 10:45am - 1:15pm.

Important Notice: If you wish to request a disability accommodation, please contact DSS at 934-4205 or dss@uab.edu.