

**COURSE DESCRIPTION
MODELING WITH PDE
MA 4/561-1B, 35439/ 35440
SPRING 2024**

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Professor Yanni Zeng
Office: UH 4012
Phone#: (205) 934-2154
E-mail: ynzeng@uab.edu
Office Hours: Mon Wed, 2:30-3:30 PM (or by appointment)

Meeting times: Mon, Wed, Fri, 9:05 – 9:55 AM
Meeting location: HHB 221
Credits: 3 semester hours
Textbook: Lecture notes and assignments are posted on Canvas.

Important dates:

First day of classes: Jan 8, 2024
Martin Luther King Holiday: Jan 15, 2024
Last day to drop without paying full tuition: Jan 16, 2024
Spring Break: Mar 10 –16, 2024
Last day to withdraw with a “W”: Mar 22, 2024
Last day of class: Apr 19, 2024

Course policies:

- Please make sure that you are able to receive e-mail through your Blazer-ID account. Official course announcements may be sent to that address.
- If you wish to request a disability accommodation please contact DSS at 934-4205 or at *dss@uab.edu*.
- The two lowest quiz grades will be dropped to account for any missed quizzes due to illness or any other circumstance including official university business.

Date: January 2, 2024.

Grading Policies:

- **MA 461:**

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|------------------------------|------|
| weekly quizzes | 25 % |
| written assignments/projects | 75 % |

- **MA 561:**

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|------------------------------|------|
| weekly quizzes | 20 % |
| written assignments/projects | 65 % |
| a term project | 15 % |

- Quiz deadlines will **not** be extended. If you miss more than two quizzes due to a serious verifiable circumstance, the matter will be resolved on the case by case basis.
- Overdue assignments turned in before the last day of class receive half credits. No overdue assignments will be accepted after the last day of class.
- Your final grade is determined according to the following table:

| | | | | | |
|---------------------|--------|-------|-------|-------|----------|
| Course performance: | 88-100 | 75-87 | 62-74 | 50-61 | below 50 |
| Final Grade: | A | B | C | D | F |

Software: You are required to use COMSOL MultiPhysics installed in HHB 221. Assignments done with other versions of the software will **not** be accepted.

Title IX Statement: The University of Alabama at Birmingham is committed to providing an environment that is free from sexual misconduct, which includes gender-based assault, harassment, exploitation, dating and domestic violence, stalking, as well as discrimination based on sex, sexual orientation, gender identity, and gender expression. If you have experienced any of the aforementioned conduct we encourage you to report the incident. UAB provides several avenues for reporting. For more information about Title IX, policy, reporting, protections, resources and supports, please visit the UAB Title IX webpage for UAB's Title IX Sex Discrimination, Sexual Harassment, and Sexual Violence Policy; UAB's Equal Opportunity and Discriminatory Harassment Policy; and the Duty to Report and Non-Retaliation Policy.