Models in Applied Mathematics (Spring 2018)

Time and Location:  Monday, Wednesday and Friday 9:00 AM - 9:50 AM, SKU460, RM121

Instructor:  Jian Du, Crawford Tower 202A

Contact Information:  jdu@fit.edu, 321-674-8912

Office Hours:  Monday and Wednesday 10:00 AM - 12:00 PM, and by appointment

Web Page:  http://my.fit.edu/~jdu/mth4201

Textbook:  There is no textbook available that sufficiently covers all the topics. Students will be given readings from a variety of textbooks. The class notes are supposed to be self-sufficient.

Grade Policy:

Attendance 10%; Homework 30%; Midterms 30%; Final 30%
There will be two Midterm Exams, one in class and the other as take home project. Each will count as 15% of your final grade. I don’t accept late homeworks.

Course Motivation  The goals of the course include

1. provide illustrating examples of major modeling tasks for practical applications
2. convey practical approaches for problems not originally in mathematical form
3. introduce a number of key techniques from analysis to numerical methods

ADA Accommodations:  The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic learning, and psychiatric disabilities. Students need to contact the instructor at the beginning of the semester to discuss any such accommodations that they may require for this course.

Additional Remarks:  You may not use books or class notes for the in class exams. Cheating will not be tolerated and no eating or disruptive talking in class. On the other hand, asking and responding to questions in class is greatly encouraged. No late homework will be accepted.