MAT 22B Summer Session I, 2016 - Syllabus

Basic Information
Course Title: Differential Equations
CRN: 52142
Course Description: Prerequisite: courses 21C; 22A or 67. Solutions of elementary differential equations.
Class Meeting Time: MWF 8:00-9:40 am, Hoagland 168 (10-minute break in between)
Course Webpage: https://www.math.ucdavis.edu/~shu/teaching/Summer_2016/mat22b
*Note: You have responsibility to check this webpage frequently and be notified of notice updates as well as file posts. I will use SmartSite for grades only. Nothing related to course material will be posted or announced on SmartSite. Please pay attention to this issue.

Instructor’s Information
Instructor: Jingyang Shu
Office hours: 12:30-1:30pm MW, 3202 MSB
Email: jyshu@ucdavis.edu
*Note: no specific homework problems will be answered via email

Grading
Homework: 5 * 6% = 30%
Midterm: 1 * 30% = 30%
Final: 1 * 40% = 40%
Optional Final Project: 1 * 10% = 10%
*Note:
To those of you who are mathematically inclined, you may notice that the percentage adds up to 110%. The final project is considered optional, and the percentage of the project is considered as extra points.
I will NOT curve final grades. I’ll use the following grading scheme:
- A: 90-100% (if > 100%, set to 100%)
- B: 80-89%
- C: 70-79%
- D: 60-69%
- F: 0-59%
Homework
There will be homework problems posted as pdf files on the course homepage no later than Tuesday nights (usually on Mondays) and each homework problem set is due on the next Wednesdays at the beginning of the lectures (you’ll have approximately ten days for each homework problem set). Only a subset of problems will be graded, and I’ll only decide what problems to be graded after collecting the homework. Late homework will NOT be accepted. Solving homework problems is the best way for you to check if you understand the course materials. You are quite welcome to discuss these problems and course materials with your classmates or with me during my offices hours. Collaboration on homework is allowed, but each student MUST write solutions on their own. I will not answer emails about specific homework problems.

Exams
- There will be one midterm and one final exam (100-minute long each, in class).
- Each exam will be comprehensive upon what was discussed by then.
- There will be no make-up exams.
- No books, notes, calculators, or electronic devices are allowed during exams. Communication between students is strictly prohibited.

Final Project
The final project is optional and is considered as bonus points. The project would add up to 10% to your final grades. You will have approximately two weeks for the project. The final project would be difficult. If you ask during my office hour, I won’t tell you all the steps and I’ll only give some hints to the project. Any other resources (online or paper-based) could be used, but you have to cite them professionally in a reference section. Collaboration between students is encouraged. Students can form groups. Each group should consist of 1-3 students, and each group turns in one assignment.

Important Dates
- Class Begins: 6/20
- Last Day to Drop: 6/28
- No Class: 7/4 (Independence Day)
- Homework Dues: 6/29, 7/6, 7/13, 7/20, and 7/27
- Midterm: 7/8
- Final Exam and Final Project Due: 7/29

Students with Disabilities
Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Student Disability Center (SDC). I will accommodate only those requested by the SDC. If you have any questions, please contact the SDC.