

LECTURE: 10:20–11:10 MWF in A316 Wells Hall

INSTRUCTOR: Professor BAISHENG YAN

- **Office:** D-308 Wells Hall - **Phone:** 517-353-9692
- **Email:** yan@math.msu.edu (best way to contact me outside my office hours)
- **Office Hours:** 1:30-2:30 MF and 12:30–1:30 W; other times by appointment only.

TEXT: PRINCIPLES OF MATHEMATICAL ANALYSIS, 3rd ed., by **Walter Rudin**.

After each lecture, read (and if possible rewrite) your class notes. Then read the textbook material covered thoroughly before attempting the homework problems. Study the homework and the text material to be covered on the exam again when you begin studying for each exam.

COURSE CONTENTS: The course will cover most of Chapters 1–6 of the text, including the real number system and metric space, convergence of sequence and series, continuity of functions, and differentiation and integration of functions in one dimension. The order of the materials may be altered and some materials may be assigned as self-reading materials and will not be lectured in class.

ATTENDANCE: You are expected to be present for all class meetings. You should also plan to spend a minimum of 6 hours outside of class working on homework problems and reviewing the lectured materials every week in order to be successful.

HOMEWORK/EXAMS: Your course work will include homework and four exams; *there will be no final exam.*

- Homework problems will be assigned in the lectures. Each homework will be collected on the due date announced in the lectures, with appropriate length of time for completion. It is important that you complete homework problems on time, as there will be no late homework accepted. You should start working on some homework problems as soon as the material is covered in the lecture. If you have difficulty with the homework, you should seek help as soon as possible. Your homework will be re-scaled based on a total of 200 points.
- There will be **four exams**, each worth 100 points, given in the lectures (see the tentative schedule below). Usually an exam covers only the new materials since the previous exam. Most exam problems will be similar to the assigned homework problems. You should review your class notes, the text material covered, and all homework problems before each exam. Most importantly, study thoroughly well ahead of the exam to get a good preparation.
- **Tentative Exam Dates:** Mark these dates on your calenders! – any necessary changes on this schedule will be announced in the lectures, well ahead of the change.

– **Exam 1:** Friday, 9/22

- **Exam 2:** *Wednesday, 10/18*
- **Exam 3:** *Monday, 11/13*
- **Exam 4:** *Friday, 12/8*

- **Policy on Make-up Exams:** Make-up exam is given only in the case of an excused absence (e.g., documented medical excuse, religious observance, or conflicting University activity that cannot be rescheduled). Students should inform me ahead of time of any schedules that conflict with the scheduled exam dates. Missing an exam with no valid excuse will result in a 0 point.

GRADING POLICY: Your course grade will be determined by the percentage of the total points, out of a total of 600 points, that you accumulate from homework (total 200 points) and four exams (total 400 points). Your grade will be no worse than what is indicated by the following scale:

*90% – 100% is 4.0; 85% – 89% is 3.5; 80% – 84% is 3.0; 70% – 79% is 2.5;
65% – 69% is 2.0; 60% – 64% is 1.5; 50% – 59% is 1.0; below 50% is 0.0.*

- ***Borderline Cases:*** If your score is near a border line, it will be handled individually with the consideration of other factors such as attendance, study effort, classroom contributions, performance over time, clarity of homework and exams, etc. By doing this, your grade could be either raised or lowered.

ACADEMIC HONESTY: The University’s policy concerning academic integrity is covered in the Spartan Life booklet, General Student Regulations. According to the handbook, “*no student shall claim or submit the work of another as one’s own*” – this policy applies to all our homework and exams. However, you are encouraged to work on the homework problems in group with other students, but you must turn in your own work!

IMPORTANT DATES: Please refer to the website <https://reg.msu.edu/R0Info/Calendar/Academic.aspx> for detailed information.