

Instructor: Dr. Sutanu Roy
Class meets: Tuesday, Wednesday, Thursday and Friday during “E” slot at LH-1.
Office: M 229.
Phone: 674-249-4094
E-mail: sutanu@niser.ac.in
Office hours: By appointment via email.

Text Books:

1. G. F. Simmons, “Introduction to Topology and Modern Analysis”, Tata McGraw-Hill, 2013.

References:

1. R. R. Goldberg, “Methods of Real Analysis”, John Wiley & Sons, 1976.
2. G. B. Folland, “Real Analysis”, Wiley-Interscience Publication, John Wiley & Sons, 1999.

Prerequisites: M201–Real Analysis.

Examination Schedule:

- Quiz-1 – April 27th.
- Mid Semester Theory Exam – one of the days during May 17th to May 23st and will be scheduled by the NISER Academic affairs.
- Quiz-2 – June 8th.
- Quiz-3 – June 29th.
- End Semester Theory Exam – one of the days during July 5th to July 14th and will be scheduled by the NISER Academic affairs.

Grading policy: Your final score will be determined by three quizzes, one midterm exam, and one *comprehensive* final exam.

- Final score will be calculated as follows:

$$\text{Final score} = 40\% \times (\text{End Semester Exam}) + 30\% \times (\text{Mid Semester Exam}) + 30\% \times (\text{Quiz \{best two out of three\}}).$$
- Letter grades based on the final score will be assigned (*tentatively*) according to the following table.

Letter grade	Score range	Letter grade	Score range
AA	score ≥ 90	CC	$50 \leq \text{score} < 60$
AB	$80 \leq \text{score} < 90$	CD	$40 \leq \text{score} < 50$
BB	$70 \leq \text{score} < 80$	DD	$30 \leq \text{score} < 40$
BC	$60 \leq \text{score} < 70$	FR	score < 30

- As the instructor, I reserve the right to make minor changes in the grading policy if it benefits majority of the students.
- Best way to contact me is to send an email at sutanu@niser.ac.in . You are expected to check your NISER emails regularly to receive any announcement regarding the course.

Quiz, Practice Problems, and Exam Policy:

- Three 35–50 minute quizzes will be conducted on the dates mentioned in the “Examination Schedule” section (unless I announce any change).
- If a student miss quiz(es) without giving any prior notification/documentation **no make-up examination** will be arranged for him/her. The respective weightage will be calculated based on the appeared quiz(es) only.
- Practice problems will be discussed during the lecture or emailed or announced in the class from time to time.
- All exams are tentatively going to be closed-book and closed-note. Unless permission is given by the instructor, use of cell phones and any other electronic devices are strictly prohibited during exams.

Attendance Policy: As per NISER regulations, to take the final exam, you need to attend **at least 80%** of the classes.

Tentative Topics to be Covered:

We shall mostly (but not limited to) follow the course outline available at <http://www.niser.ac.in/sms/course/m204-metric-spaces>.

Important Information:

- Class will begin promptly at the scheduled time. Plan on arriving in class on time. **If you are late by 5 minutes you'll not be allowed to attend the class and will be marked as absent.**
- Make effort to engage yourself and participate in class discussions and ask questions.
- If students miss class, it is their responsibility to find out from fellow students what material and important announcements they missed.

Academic Honesty: Cheating in any form will NOT be tolerated in this course. A student is caught cheating be referred to the Dean Academic Affairs.