

Instructor: Siva Athreya

Office: A 12.

Text References:

Walter Rudin: *Principles of Mathematical Analysis*, Third Edition.

Bartle and Sherbert: *Introduction to Real Analysis*, Publisher: Wiley India Pvt Ltd (2007).

Terrence Tao: *Analysis 1*, TRIM Series.

E-Mail: My e-mail address is athreya@isibang.ac.in. Please send me an email¹, from an account that you use regularly, so that I can put you on the class list.

WWW-page: I shall maintain a course home-page, at the following address:

<http://www.isibang.ac.in/~athreya/Teaching/analysis12> . The page will serve as an archive of handouts.

Homework: There will be regular homework assignments during the semester. A selection of which will be required to be turned in. You are encouraged to work together on solving the problems but write up your own individual solutions.

Quiz: There will be a short test, every wednesday, in the class. The test will have one question and will be essentially based out of the previous week's homework.

Scoring: Midterm 1 is worth 25 % of the grade. Final exam is worth 50 % of the grade. The quizzes consists of 20 % of the grade. The homework consists of 5 % of the grade.

Studying and Homework: The course requires at least one and a half hour of study for each hour of class time. Homework will be announced in class and posted on the web. It is imperative that you try,(and write up solutions for), the homework problems *before* their respective due dates. The problems that will be given are a small selection so please do try other problems for practice from the text. You are encouraged to work together on solving the problems. We shall try to discuss the homework during Thursday afternoon's class.

Feedback: Please feel free to drop by my office, to clear up difficulties or to just discuss mathematics. I would appreciate feedback from you as the course progresses. If there are suggestions/clarifications that you have then feel free to ask me.

¹***Free Chocolates*:** You shall get one free chocolate, if you set-up an email account and send me email by Friday evening.