



Course No.	Course Title	No. of Units			Pre-requisites
		Th.	Pr.	Credit	
MATH 414	Topics in Real Analysis	3	-	3	Department Approval

**Course Objectives:**

- Provide new topics of Real Analysis that are not covered in other courses.
- Use different resources to gather information about new topics.

**Course Description:**

There are no specific contents. The topics are freely selected by lecturers to cover an advanced course in real analysis. It is then changed from one semester to another.

**Main Text Book:**

- Principles of Mathematical Analysis, by Walter Rudin, 3<sup>rd</sup> edition, 1986.

**Subsidiary Books:**

- Introduction to Real Analysis, by R. G. Bartle and D. R. Sherbert, 3<sup>rd</sup> edition, John Wiley, New York, 1999.