

Course Syllabus

Course Number: Math 6355

Course Name: Selected Topics in the History of Contemporary Mathematics

Catalog Description: Research on the historical development of one or more selected branch(es) in modern mathematics.

Prerequisite: This course may be repeated for credit when topics vary.

Program Requirement: This course is designed primarily for those who are in one of the mathematics related graduate programs.

Description:

This is a research course on the historical development of one or more topics in contemporary mathematics, such as, but not limited to, Modern Algebra, Mathematical Analysis, Modern Geometry, Topology, Probability, and Statistics. The focus is on understanding the development of some important ideas and techniques used in contemporary mathematics. Research will be centered among both primary and secondary sources.

Outcome:

Successful course completion will empower the students with deeper understanding of contemporary mathematical concepts from historical and developmental point of view. The student will understand mathematics as part of the human culture and civilization, understand mathematics as a dynamic and developing subject, and examine some of the research techniques used in the important development of mathematics at various historical periods. They will learn to do historical research. Assessment tools will include written examinations and a research project.

Approval Date: May, 1999