

Department: Mathematics and Computer Sciences
Division: Pure Mathematics
Level and Major: Graduate

Course Title: Special Topics

Number of Credits: 3

Prerequisite:

Lecturer:

Course Description:

Course Goals and Objectives:

Course Topics:

- Constractivity in mathematics
- Algorithmic algebra
- Grobner basis for binomial ideals
- Artin and Noetherian rings
- The radical of a binomial ideal
- Binomial algebraic sets
- Some binomial ideal quotients
- Primary decomposition into binomial ideals
- Cellular binomial ideals
- Cellular decomposition
- Binomial Edge ideals

Reading Resources:

Evaluation: