

**Department:** Mathematics and Computer Sciences

**Division:** Applied Mathematics

**Level and Major:** Graduate

**Course Title:** Special Topics (Computational Techniques)

**Number of Credits:** 3

**Prerequisite:** Group Permission

**Lecturer:**

**Course Description:**

**Course Goals and Objectives:**

**Course Topics:**

- Introduction of radial basis functions
- Function reconstruction
- Kansa's method
- The method of particular solutions
- The method of fundamental solutions
- The localized method of particular solutions
- Meshless collocation methods for time-dependent problems

**Reading Resources:**

**Evaluation:**