

SU DEPARTMENT OF COMPUTER SCIENCE SYLLABUS
COSC401/501 Methods of Teaching Computer Science

Description: This course introduces methods of teaching computer science at the K-12 level using an activity-based approach. Topics include history, social impacts, and contemporary fields of computer science; Fundamental computer science concepts; Problem solving strategies; K-12 computer science curriculum and classroom activity development. Students will develop and explore materials appropriate for use in the K-12 setting. Three hobiaand one hour enhancement

EVALUATION

Homework (4 and *2 extra for graduate students*) - 15%

Programming projects (3 and *2 extra for graduate students*) - 25%

Writing and presentation projects (3 and *2 extra research-based projects for graduate students*) - 20%

Midterm exams (*extra one challenging questions for graduate students*) - 20%

Final Exam (*extra two challenging questions for graduate students*) - 20%

Policy for determining letter grade for the course