GRADUATE SCHOOL-GRAD (GRAD)

Courses

**GRAD 510 Fundamentals of High Performance Computing**  Credits: 3 (2-2-0)
Course Description: UNIX; networks; scalar, vector, and parallel architectures; performance programming.
Prerequisite: None.
Registration Information: Graduate standing. Must register for lecture and laboratory.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

**GRAD 511 High Performance Computing and Visualization**  Credits: 3 (2-2-0)
Course Description: Iterative methods for linear systems; Monte Carlo methods; visualization and image processing.
Prerequisite: GRAD 510.
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

**GRAD 544 Ethical Conduct of Research**  Credit: 1 (1-0-0)
Course Description: Principles and practice of ethical conduct of research.
Prerequisite: None.
Registration Information: Graduate standing. This is a partial semester course.
Terms Offered: Fall, Spring.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

**GRAD 550 STEM Communication**  Credit: 1 (1-0-0)
Course Description: Review and practice of key communication principles for Science, Technology, Engineering, and Mathematics (STEM) professionals.
Prerequisite: None.
Registration Information: Graduate standing. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

**GRAD 592 Water Resources Seminar**  Credit: 1 (0-0-1)
Course Description: Interdisciplinary seminar emphasizing issues important to water resources community. Content relates to a preselected theme each semester.
Prerequisite: None.
Term Offered: Fall.
Grade Mode: Instructor Option.
Special Course Fee: No.

**GRAD 596 Group Study-Graduate Education**  Credits: Var[1-3] (0-0-0)
Course Description: Preparation for graduate education.
Prerequisite: None.
Registration Information: Graduate School approval.
Term Offered: Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

**GRAD 792 Seminar on College Teaching**  Credits: 2 (0-0-2)
Course Description: Role of college teacher emphasizing applied principles and practices derived from empirical research and collective experience of teaching professors.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Graduate standing.
Terms Offered: Fall, Spring.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.