# CS6890: Combinatorial Algorithms for Software Testing

Professor: Dr. Renée Bryce
E-mail: Renee.Bryce@usu.edu

**Overview:** Students will examine algorithms that have applications to software testing.

**Pre-requisites:** Students should have passed CS5050.

# Curriculum

This course is a special topics course that covers topics in algorithms that are applied to software testing. Students will implement algorithms for combinatorial testing, test suite reduction, and test suite prioritization.

# Course grading

No late assignments will be accepted without a university approved medical excuse. No make-up assignments will be given. All work is individual work and should be your own. You should not let another student view your homework assignment before the due date. All students are penalized the same, even if one student completes the assignment and another copies any part of the assignment.
Cheating will result in failure in the course. Please reference the USU academic integrity policy for more information on cheating.

The grading breakdown of the final course grade is as follows:

Homework Assignments: 20%
Pop Quizzes 40%
Course project: 40%
**Total 100%**

The following scale will be used to translate to letter grades:

A >= 95%, A- >= 90

B+ >=87, B >=85, B- >=80

C+ >= 77, C >= 75, C- >= 70%,

D >= 60%,

F < 60%

**Attendance**: Attendance and class participation are strongly encouraged so plan to attend regularly. Students are responsible for any material and announcements covered in class. If your schedule does not allow you to attend class on-time, you should not register for this course.

**Grading Questions**: If you believe that there is a mistake in the grading on one of your assignments, projects, or exam you must bring these inquiries to the professor within one week of when the graded work is returned in class. After this grace period, it is too late.

**Disabilities:** We are happy to make accommodations to students that have documentation of their needs from the USU Disability Services.