



CSC 577: Pattern Recognition

6:30 - 9:15 p.m.
Thursdays
CIS 1012

Eric Patterson, Ph.D.

<http://people.uncw.edu/pattersone/577>

Office Location: CIS 203 I

Office Hours: 10:00 a.m. - 11:00 a.m., 3:15 p.m. - 4:15 p.m., Tue/Thur,
10:00 a.m. - 11:00 a.m., Wed, or by appointment.

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Course Description:

This course introduces pattern recognition methods and theory discussing topics such as statistical classification, neural networks, fuzzy logic, support vectors, and linear principal component analysis (PCA). The course also presents methods for non-linear PCA, clustering, and feature extraction. Students implement algorithms, apply methods to selected problems, and document findings.

Required Materials:

Pattern Classification by R. Duda, P. Hart, and D. Stork.

Grading:

Homework	20%
Quizzes and Tests	25%
Projects	30%
Final Exam	20%
Class participation, discussion, and presentations.	5%

Class Policies

Quizzes and tests will cover materials presented in class, whether lecture, video, tutorial, etc., as well as material from the required text or other readings and may include written questions and/or practicum. They may also be assigned to complete in class or as take-home exercises. The final exam will be cumulative.

Plan carefully to complete homework and projects in a timely manner. Late work will be reduced in grade by 5 points each day. There are no make-up quizzes. Please contact me in advance, if possible, if you must miss any graded work.

Unless special circumstances are involved, more than three absences will result in class failure. Students are individually responsible for keeping current with course material and assignments, and all work is to be completed individually unless otherwise noted.

Class announcements supersede posted material. Check website often for course-related announcements.

Academic honesty in all your work is required for a passing grade.

This syllabus may be subject to change with reasonable notice.