

ECE 724/824 Ubiquitous Computing Fundamentals  
Syllabus  
Fall 2015

**Topics:**

Ubiquitous computing is a model of computing which allows human-computer interaction with networked computing devices that have been integrated into a plethora of objects in the world. Users can interact with these devices without treating them as centers of attention as they would do with a desktop computer. This course will take an interdisciplinary look at the foundations of ubiquitous computing. Topics covered will include system software for supporting ubicomp, human-computer interaction in ubicomp systems and sensors used in these systems. Students will also undertake ubicomp research projects inspired by the material.

**Textbook:** John Krumm, editor, "Ubiquitous Computing Fundamentals," CRC Press, 2010

**Prerequisites:** None.

**Website:** Blackboard

**Instructor:** Andrew Kun, Associate Professor, ECE Department, [andrew.kun@unh.edu](mailto:andrew.kun@unh.edu)

**Course grading:**

The course grade will depend on four components:

Assigned reading summaries	15%
Class participation	15%
Project	70%

**Assigned reading summaries:**

Students will be assigned a number of papers and book chapters/sections to read. Before a class with a reading assignment each student will submit a short summary of the reading assignment for that class.

**Class participation:**

Students will be expected to actively participate in the in-class discussion of assigned reading.

**Project:**

Students will work on projects individually or in small groups. The instructor will provide project ideas. Project grades will be based on a written report and an in-class presentation and demonstration.

**Academic honesty:**

Students are encouraged to collaborate on assignment. Collaboration can take the form of discussing problems, tools, etc. However, work submitted to the instructor must be the student's own creation, unless explicit exemption is granted by the instructor. Plagiarism will incur a penalty, from zero credit for the given assignment to a failing grade in the course, and will be reported to the ECE Department Chair and CEPS College Dean. Avoiding plagiarism is the responsibility of the student. If unsure whether a practice constitutes plagiarism, students should check with the instructor.

**Office Hours:**

Office hours are available by appointment only. To schedule an appointment email the instructor with proposed meeting dates and times.