Syllabus

Instructor: Euripides Montagne    Tele.: 823-2684    email: eurip@cs.ucf.edu

Lecture meetings:
TR 4:00 p.m. – 5:15 p.m. (BA 225)

Office hours:
MW from 3:00 p.m. to 5:00 p.m (CSB 239)
TR from 1:30 p.m. to 3:30 p.m (CSB 239)

Course Outline: Techniques and methodology in the design and implementation of operating systems.
Case studies of several experimental and commercial operating systems.

Course Topics:
- Historical perspectives
- Techniques and methodology in the design and implementation of operating systems.
- Operating system structure.
- Distributed coordination.
- Extensibility.
- Protection.
- Operating system support for mobile computing.
- Case studies of several experimental and commercial operating systems.

Prerequisites:
- CDA 4150 – Computer Architecture.

Reference Guide:
- COP6614 readinglist: http://www.cs.ucf.edu/~eurip/readinglist.html
- The textbook for this course is: Distributed Systems: Principles and Paradigms by Andrew S. Tanenbaum and Maarten Van Steen,
**Style of Class Meetings:**
Class meetings will not consist of traditional lectures, with the instructor doing most of the talking and the student doing most of the listening. Rather, meetings will consist of discussions on each topic and the instructor will help guide the discussion by asking questions. This course involves readings and lectures on classic and new papers. The course is based on a collection of journal and conference papers that describe the history and state of the art in operating systems. Participation in class discussions is an essential part of this class so attendance is required and the papers must be read prior to the class period.

**Summaries:**
We will be covering approximately 30 papers this term. Before class, you must read the papers that we will discuss, and submit a summary of each paper. Summaries should be about 1/2 of a page in length.

**Grading Policy:**
- (20%) Class Participation + summaries.
- (30%) 2 Exams
- (40%) Research Project
- (10%) Paper presentation

**The Semester Plan:** See reading list.

**Important Dates:**
- **Withdrawal Deadline is Oct. 11.**
- **Summer Holidays are:**
- Labor Day - Sept. 2.
- Veteran’s Day – Nov. 11.
- Thanks Giving’s – Nov. 28 to Dec. 1