# UCF
## School of computer Science
COP 4610L: Operating System Lab.
**Fall 2009**

## Syllabus

**Instructor:** Euripides Montagne  Tele.: (407) 823-2684 E-mail:eurip@cs.ucf.edu

**Lecture meetings:**
MWF 8:30 – 9:20 (HEC 117)

**Office hours:**
MWF from 10:00 a.m. to 12:00 (Noon) (HEC 217)
T from 2:00 p.m. to 4:00 p.m. (HEC 217)

**TA:** Mahadevan Vasudevan Tele.: (407) 802-8115 E-mail: maha@knights.ucf.edu
**Office hours:** Friday from 10:00 a.m. to 12: 00 (Noon)

**Course Outline:**
The goal of the course is to teach fundamentals concepts and design principles of operating systems.
**Course Topics:**
Operating systems structure. Process management. Process scheduling. Memory management. Virtual memory. I/O system. File system. Distributed systems.

**Prerequisites:**
• COP 3503 – Computer Science II.

If you have not satisfied **all** of the above prerequisites, you **do not** belong in this class and have little chance of passing.

**Reference Guide:**
The textbook for the course is: Operating Systems: Internals and Design Principles, Sixth Edition by William Stallings. Prentice Hall. 2009.

We will cover Chapters 1-5, 6(6.1-6.4), 7(7.1-7.2), 8, 9,10,12, and 13. You are responsible for the material contained in all of those chapters, even if it is not discussed in class. Time permitting, we may cover Chapters 15 and 16.

**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.

**Lab Times:**
**There are no regularly scheduled labs for this course. The TA for the course will have office hours to answer any programming related questions that you may have and to assist you with the programming of your assignments. We may also schedule some formalized group help sessions for some of the programming assignments.**

**The Semester Plan:** Tentative.
Operating System  Fundamentals.
Computer System Structure.
Interrupt Handling.
Operating System Structure.
Processes
Threads
Concurrent programming
CPU scheduling
Process Synchronization.
I/O System
Memory Management.
Virtual memory
Resource allocation
Deadlocks
File system.
Command Interpreter.


**Grading Policy:**
- (20%) **Exam #1** – closed book, closed notes exam given in class.
- (20%) **Exam #2** – closed book, closed notes exam given in class.
- (30%) **Final Exam** – closed book, closed notes comprehensive exam given during final exam week. **Note:** You must score at least 60% on this exam to pass the course.
- (30%) Four assignments.


**Letter grades**: 90-100 = A, 88-89 = A-, 86-87 = B+, 80-85 = B, 78-79 = B-, 76-77 = C+, 70-75 = C,
68-69 = C-, 66-67 = D+,  60-65 = D, 58-59 = D-, <57 = F.

**Important Dates:**
- **First Midterm exam:  Wednesday, September  30.**
- **Withdrawal deadline: Friday, October  16.**
- **Second Midterm exam:  Wednesday, November  4.**
- **Classes End: Monday, December 7.**
- **Final Exam Wednesday, December 9 (7:00 p.m. – 9:50 p.m.).**
- **Spring  Holidays are:**
    - **Labor Day: Monday, September 7.**
    - **Veterans Day: Wednesday, November  11.**
    - **Thanksgiving: November 26 – 28.**