

CGS 3763 – Operating System Concepts Spring 2009 - Syllabus

Course Prerequisites: CGS 1060C

Class Meets: Monday, Wednesday and Friday from 11:30 am – 12:20 am in HEC 118

Instructor: Dr. Mark Llewellyn

Office: HEC 236

Office Hours: Monday & Wednesday: 1:30 – 2:30pm
Tuesday & Thursday: 1:00 – 3:00pm

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Course Web Site: www.cs.ucf.edu/courses/cgs3763/spr2009

Course Description:

This course will introduce you to modern operating systems. We'll cover system calls, processes, threading, CPU scheduling, memory management, security issues, and client/server paradigms. We'll also deal with the terminology, hardware, and software associated with operating system components and structures.

Texts: The following text is required:

Operating System Concepts, 8e, Silberschatz, Galvin, Gagne, 2009, John Wiley & Sons, ISBN: 978-0-470-12872-5.

Grading:

Three exams will be given, two regular exams and a final exam (comprehensive). Exams are given once – be there as there are no dropped test scores. There will be four or five homework assignments. The homework assignments are to be individual efforts.

Homework assignments (total)	25%
2 Regular Exams (25% each).....	50%
Final Exam (Wednesday April 29th - 10:00am - 12:50pm)	25%

Grading Scale:

Plus/minus grading will be used in this course.

90-100 = A, 88-90 = A-, 86-88 = B+, 80-86 = B, 78-80 = B-, 76-78 = C+,
70-76 = C, 68-70 = C-, 66-68 = D+, 60-66 = D, 58-60 = D-, <58 = F

Some Important Dates:

No class: **Monday January 19th – Martin Luther King Day**

Last Day to Withdraw: **Friday March 6th**

Final Exam: **Wednesday April 29th - 10:00am - 12:50pm**

Topics To Be Covered:

1. Introduction to Operating Systems
2. Hardware Components
3. User Interface
4. Resource Management
5. Processes and Threading
6. CPU Scheduling
7. Process Synchronization
8. Memory Management
9. File System
10. Security
11. Client/Server Systems

This is a general list of topics only and is subject to the needs of the class. It will be altered without notice, but will generally follow the same progression. At the end of each class I will tell you what we will be discussing during the next class period. On-line notes will supplement the text in many areas.