Graduate Operating Systems Concepts
Course Syllabus

Course Information

Course Title: Graduate Operating Systems Concepts

Course Number: CS 5348.001

Term: Fall 2016

Meeting At: Tues & Thurs 2:30 – 3:45 @ ECSS 2.412

Credit Hours: 3

Instructor's Contact Information

Name: Dr. Michael Christiansen

Phone Number: 972 883 6909 <u>Note: email is only reliable method of leaving messages</u>

Email Address: michael.christiansen@utdallas.edu

Office: ECSS 4.201

Office Hours: Tuesday and Thursday 1:00 - 2:00, and by appointment.

eLearning Site: Our eLearning site contains all announcements, slides, assignments, and other materials for this course.

Teaching Assistant Contact Information

Name: TBD

Office: TBD

Office Hours: TBD
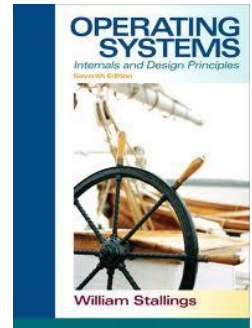
Email Address: TBD

Academic Calendar and Events

- Classes Start: 8/23
- Last Day of Class: 12/7
- Midterm Exam: TBD
- Final Exam: TBD

See the official UTD calendar for university holidays and closings here.

Required Textbook

Operating Systems, Internals and Design Principles.
Seventh Edition by William Stallings.
ISBN 0-13-230998-X, 978-0-13-230998-1

Other materials as provided in the "Supplemental Materials" folder of the eLearning site.

Course Prerequisites

1. CS/CE/SE 3340 Computer Architecture
2. CS/CE/SE 3345 Data Structures
3. A working knowledge of Unix and the C Programming Language.

Course Learning Objectives

1. An understanding of basic elements of computer system hardware
2. An understanding of modern operating systems
3. An understanding of processes
4. An understanding of threads
5. An understanding of concurrency issues
6. An understanding of simple memory management
7. An understanding of virtual memory
8. An understanding of scheduling algorithms
9. An understanding of I/O management
10. An understanding of file management
11. An understanding of Distributed Network Services

Grading Policy

The grade will be determined as follows:

- The final course grade will be calculated against the following factors:

Project	25 %
Assessments	10 %
Class Attendance	5 %
Midterm Exam	30 %
Final Exam	30 %

- **No bonus work, make-up work, dropped scores, or other means of raising your grade will be provided.**

Department Classroom Policy

Students that miss four consecutive classes will fail the course.

Students that miss three consecutive classes will have their final grade reduced by one letter grade for every infraction.

Attendance will be taken and verified for every class meeting. If cheating on the roll is discovered, e.g. a student signing for another, there will be no credit given to the class for that day's attendance.

Laptop and phone usage will not be allowed during class.

University policies can be found by visiting http://go.utdallas.edu/syllabus-policies.
The materials in this syllabus are subject to change at the professor's discretion.