



Course CE/TE 4348.501, Operating Systems Concepts
Professor Richard Goodrum
Term Fall 2016
Meetings TR 5:30-6:45 P.M., Room: ECSN 2.120

Professor's Contact Information

Office Phone	972-883-8830
Other Phone	972-883-2185 (CS Department Phone Number)
Office Location	ECSS 4.604
Email Address	Richard.Goodrum@utdallas.edu
Office Hours	Tuesdays 7:00-8:00 P.M. or by appointment
Teaching Assistant	Xiaoyu Wang, xxw140330@utdallas.edu ECSS 3.221 – T 2 :30-4 :30
Other Information	The best way to communicate with me (other than meeting me in my office during the office hours) is through UTD email. Use email to set up appointments outside the office hours.

General Course Information

Pre-requisites, Co-requisites, & other restrictions	Pre-requisites: CS/SE/TE 3340 or equivalent, CE/CS/SE/TE 3345 and a working knowledge of C and UNIX. <i>Programming skills in C/C++ and/or in Java, socket programming skills should make the course even more enjoyable for you.</i>
Course Description	An introduction to fundamental concepts in operating systems: their design, implementation, and usage. Topics include process management, main memory management, virtual memory, I/O and device drivers, file systems, secondary storage management, and an introduction to critical sections and deadlocks.
Learning Outcomes	After successful completion of this course, the student should have: <ol style="list-style-type: none">1. An understanding of processes2. An understanding of threads3. Ability to develop concurrent programs4. An understanding of simple memory management5. An understanding of virtual memory6. An understanding of scheduling algorithms7. An understanding of I/O management8. An understanding of file management9. An understanding of OS virtualization
Required Texts & Materials	Operating Systems, Internals and Design Principles, Eighth Edition, by William Stallings, ISBN-13: 978-0-13-380591-8. 2014 by Pearson (Prentice-Hall, Inc.)

Assignments & Academic Calendar

Week	Class	Dates	Reading Assignment	CLO	Homework	Program	Quiz or Exam
1	1, 2	Aug 23, 25	Chapter 1				
2	3, 4	Aug 30, Sep 01	Chapter 2		1		
3	5, 6	Sep 06, 08	Chapter 3	1			Quiz 1
4	7, 8	Sep 13, 15		2	2	1	
5	9, 10	Sep 20, 22	Chapter 4	3			
6	11, 12	Sep 27, 29	Chapter 5		3		Quiz 2
7	13, 14	Oct 04, 06		3			
8	15, 16	Oct 11, 13	Chapter 6		4		
9	17, 18	Oct 18, 20				2	Quiz 3
10	19, 20	Oct 25, 27	Chapter 7	4	5		
11	21, 22	Nov 01, 03	Chapter 8	5			
14	23, 24	Nov 08, 10	Chapter 9	6	6	3	Quiz 4
13	25, 26	Nov 15, 17	Chapter 10	6			
	Fall Break	Nov 22, 24					
14	27, 28	Nov 29, Dec 01	Chapter 11	7	7		
15	29	Dec 06	Chapter 12	8		4	
16	30	Dec 13					Final

Important Dates and Times	First day of class: Tuesday, 23 Aug, 2016 Final Exam: 13 Dec 2016, 5:00-7:45 P.M. in Room: ECSN 2.120
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Course Policies

Grading Criteria	Final: 20%, Homework: 10%, Participation: 10%, Programs: 30%, Quizzes: 30%
Quizzes	Quizzes may be given on any day during their block.
Make-up Exams	Make-ups will be offered only if the student has a valid medical reason and produces a doctor's letter (in English) for the specific date. Blanket letters will not be accepted.
Extra Credit	No extra credit work will be assigned.
Late Work	Programs and homework submitted after the due date will be penalized at the rate of 10% for every day by which it is late. Late submissions will not be accepted after four days.
Class Attendance	Voluntary. However, regular attendance is recommended (see participation). By departmental policy, three absences in a row will result in a full letter grade reduction in the final grade. Four absences in a row will result in failing the class. A student absent five or more classes will not be eligible for an incomplete grade. In such instances the student is advised to drop the course.
Participation	Participation is an in-class activity.
Classroom Citizenship	The instructor encourages students to take active part in class discussions. No question is too simple/stupid to be asked. So, do not hesitate.
Instructor Expectations	Students will: <ul style="list-style-type: none">a. Be on time to lectures.b. Be attentive to lectures.c. Be respectful of other's need to avoid distractions.d. Perform their own work unless directed to participate in a group activity.e. Avoid the use of any premade works of answers (the use of which constitutes cheating).f. All student work done outside the classroom will be typewritten.
UT Dallas Syllabus Policies and Procedures	<p><i>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.</i></p> <p>Please go to http://go.utdallas.edu/syllabus-policies for these policies.</p>

These descriptions and timelines are subject to change at the discretion of the Professor.