CS 439 - Principles of Computer Systems

COURSE INFORMATION SCHEDULE

course information

Classes:	**TTh 4-6 pm, GDC 2.216**	
Instructor:	Jan S. Rellermeyer	
	Tel	512-286-6780
	Email	jrellerm_at_cs.utexas.edu
	Office Hours	TTh 2:00-3:30, GDC 5.430
Discussion Sections:	51880	T 9-11am, GDC 6.202
	51885	W 9-11am, GDC 2.210
	51890	Th 9-11am, GDC 2.210
	51895	F 9-11am, PHR 2.114
TAs:	Wenzhi Cui	
	Email	cwz920716_at_gmail.com
	Office Hours	F 2-4pm GDC 1.302 (TA station, desk 3)
	Egzon Bislimi	
	Email	theluckynumberthree_at_gmail.com
	Office Hours	M 12-2pm GDC 1.302 (TA station, desk 3)

Overview: An introduction to low-level software abstractions with an emphasis on the connection of these abstractions to underlying computer hardware. Key abstractions include threads, dynamic memory allocation, protection, and IO. Requires writing of synchronized multithreaded programs.

Grading:

Homework	10%
Two Midterm Exams	15% each
Final Exam	30%
Labs/Project	30%

Midterm Exam 1: tentatively 02/24/15
Midterm Exam 2: tentatively 04/07/15
Final Exam: TBD (scheduled by the department)

Textbooks: Thomas Anderson and Mike Dahlin: *Operating Systems: Principles and Practice* (OSPP)
Randal E. Bryant and David R. O'Halloran: *Computer Systems: A Programmer's Perspective* (CSPP)

Additional Information: Piazza Page [link]

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Date	Topic	Additional Material	Assignment
Tue 01/20/2015	Introduction and Motivation [slides]		[project 1] [system image]
Thu 01/22/2015	Anatomy of an Operating System [slides]	OSPP Chapter 1+2	[homework 1]
Tue 01/27/2015	Anatomy of an Operating System continued.	[J. Liedtke: *On µ-Kernel Construction*] CSPP Chapter 7.4, OSPP Chapter 2	
Thu 01/29/2015	Processes and Scheduling [slides]	OSPP Chapter 7, CSPP Chapter 3	[homework 2]

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