SYLLABUS

TDC 411
Introduction to Computer and Network Systems
Spring Quarter 2020

Sept. 10, 2020

Instructor: Dale Buchholz

Office Hours: Tuesday 4:00-5:30 PM (arranged Zoom sessions)
Other times can be arranged.

Phone: TBA

E-mail: dbuchholz@cdm.depaul.edu or dbuchhol@depaul.edu

Web page: https://d2l.depaul.edu (D2L site)

Reference Text: *System Architecture, 7th Edition*, Stephen D. Burd,
Cengage Learning, 2016. ISBN: 987-1-05-08019-5

Handouts: Readings related to Cisco devices and virtual machines

This course is an introduction to computer architecture and operating systems with an emphasis on network systems. Topics covered include number systems, data representations, computer components and functions, process management, memory management, file management, interrupts, and peripheral devices, as well as computer networks and distributed systems.

Required coursework will be:

   (a) 5 homework assignments based on the text and other course materials; and
   (b) 4 labs on computer architecture and networking using various tools.

Points and due date for each homework or lab will be included in its description. Late homeworks or labs are accepted entirely at the discretion of the instructor and must be negotiated beforehand.

Grades

Percent	Grade		Percent	Grade
93-100	A		77-79	C+
90-92	A-		73-76	C
87-89	B+		70-72	C-
83-86	B		60-69	D
80-82	B-		< 60	F

Class Schedule
TDC 411—Fall Quarter 2020

Date	Topics	Readings	Assignments
Sept. 10	Course Introduction Intro to System Architecture Data Representation	Ch. 1, 2 Ch. 3	HW#0 due Sept. 13
Sept. 17	Computer Architecture CPU, memory, system bus	Ch. 4, 5	
Sept. 24	System Performance and I/O Computer Networks	Ch. 6, 7 Ch. 9	HW #1 due Sept. 27
Oct. 1	Application Development Operating Systems (Linux, Ubuntu) Process Management	Ch. 10 Ch. 11	Lab #1 due Oct. 4
Oct. 8	Memory Management File System and Storage Management	Ch. 12	HW #2 due Oct. 11
Oct. 15	Virtual Machines	Handout	Lab #2 due Oct. 18
Oct. 22	Linux System Administration	slides	HW #3 due Oct. 25
Oct. 29	Linux Network Administration	slides	Lab #3 due Nov. 1
Nov. 5	Internet and Application Services Web, LDAP, NFS	Ch. 13	HW #4 due Nov. 8
Nov. 12	Cisco Device Architecture Routers and Switches	Handouts	Lab #4 due Nov. 15
Nov. 19			HW #5 due Nov. 19

Changes to Syllabus: This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Please see https://resources.depaul.edu/teaching-commons/teaching/Pages/online- teaching-evaluations.aspx for additional information.

Academic Integrity and Plagiarism

This course will be subject to the university's academic integrity policy. More information can be found at https://resources.depaul.edu/teaching-commons/teaching/academic-integrity/Pages/default.aspx.

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at: http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx

Incomplete Grades

An incomplete grade is a special, temporary grade that may be assigned by an instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of satisfactory progress in the course. All incomplete requests must be approved by the instructor of the course and a CDM Associate Dean. Only exceptions cases will receive such approval. Information about the Incomplete Grades policy can be found at

http://www.cdm.depaul.edu/Current%20Students/Pages/Grading-Policies.aspx

Students with Disabilities

Students seeking disability-related accommodations are required to register with DePaul's Center for Students with Disabilities (CSD) enabling them to access accommodations and support services to assist with their success. There are two office locations:

- Loop Campus (312) 362-8002
- Lincoln Park Campus (773) 325-1677
- Email: csd@depaul.edu

Students who register with the Center for Students with Disabilities are also invited to contact Dr. Gregory Moorhead, Director of the Center, privately to discuss how he may assist in facilitating the accommodations to be used in a course. This is best done early in the term. The conversation will remain confidential to the extent possible.

Please see https://offices.depaul.edu/student-affairs/about/departments/Pages/csd.aspx for Services and Contact Information.