NJIT

New Jersey's Science & Technology University

THE EDGE IN KNOWLEDGE

Alex. Gerbessiotis   CS Department

332A: Instruction

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Step 1: Read quickly (but carefully this document)

Step 2: Go to canvas Announcements: 6 messages with 6 .txt files. Read the information there that complements this document. One of them has WebexMeeting Numbers, One of them credentials for Section C of course web-page.

Step 3: Go to course web-page, Sections A, B, C and navigate around them. Credentials for Section C in Step 2.

Step 4: If not exhausted, go back to canvas's Modules.

NOTE: VoP is not open yet, neither HW1.

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Credentials (login + password)

myUCID (aka UCID)   For canvas, Linux osl

ProctorU credentials   To connect with
                                          ProctorU prior to an exam

Section C credentials   To connect to Section C of
                                          course Web-page

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Terminology

Media (voiceovers, recordings):	Available through Canvas
Cisco Webex recordings:	Links in canvas (class recordings, if taken)
Kaltura voiceovers:	Links in canvas to mediaspace.njit.edu
Documents (in pdf):	Instructor's NJIT 'course' web-page

~~The media for this Instructional material is 1module~~

~~A. Module 332A : Instruction~~

~~Title: alexg-CS332-Module332A-F20~~

This document is available

in Section B as .pdf

CS332 : Instruction

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Semester Specific Information

Handout 0 (FAQ)   **for the course**

Handout 1 (Syllabus)   **for the course**

Handout 2 (Technicals)

Exams, Homeworks…

Change every semester …   **volatile**

332A-1. Course Web Page is at web.njit.edu

```
http://www.cs.njit.edu/~alexg/courses/cs332/index.html
```

Section A: Announcements, General Info

Section B: Handouts (h-files)

Section C: (**password protected**: Password in Canvas)

Subjects	(n-files,aka notes , .pdf)
Other	(.pdf)
Other	(.txt |.tar)

IF NOT in COURSE WEB-PAGE, then IN CANVAS

332A-2. Canvas 'page'

332A-2. Canvas access: canvas.njit.edu

Main canvas areas

Modules   **'Subjects'**

Announcements   **in canvas different from course web-page section A**

Assignments   **Work to do...pointing elsewhere**

Quizzes   **Location of 'assignments', 'exams', 'homeworks'...**

Files   **Everything uploaded should appear there**

332A-3. Canvas 'page'

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332A-3. Canvas access: canvas.njit.edu

Media: **`Links to mediaspace.njit.edu`**

`Kaltura generated;`

`amateur quality`

`Class (Webex) recordings`

`Webex generated; real-time condition dependent; 2-3day delay`

`report issues to instructor`

Exams (in canvas)   **`Through ProctorU  Review+`**
`if you don't have an account with ProctorU get one, just in case: it is for free for you if done early (as of this writing)`

332A-4. Canvas 'page'

332A-4. Canvas access: canvas.njit.edu

My definitions	Location in canvas
Homeworks (for minor credit)	Under quizzes!
Practice Quizzes (no credit)	Under quizzes!
Exams	Under quizzes!
Verification of Presence (VoP)	Under quizzes!

But they might appear under Assignments, in Modules...

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332A-5. Verification of P

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332A-5. Verification of Presence (no Proctor U)

Quiz type: `Availability`: **1st day of classes – ~13th day**

If you miss it (after 13th day… which is a Sunday)

```
1. Email according to protocol of Handout 0 certifying
that

     1a. you have read Canvas announcements (6 messages
and associated .txt attachments),

     1b. you have read Handout 0, @course web-page,

     1c. you have read Handout 1, @course web-page.

2. We ack email and verify presence.
```
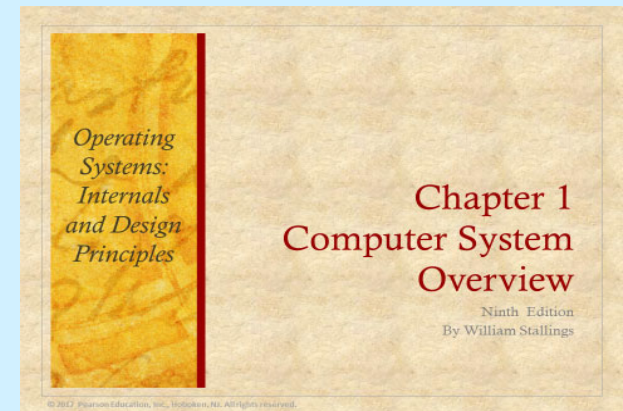
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332A-6. Notes
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332A-6. Notes are known as Subjects

Primarily textbook author-based (pics from textbook)

Textbook slides look different (brownish)

Operating Systems: Internals and Design Principles

Chapter 1
Computer System Overview

Ninth Edition
By William Stallings

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Also my own notes

My notes look like this collection of slides! (blueish)

332A-7. **Handout 0 is Course FAQ (PDF, Section B)**

Title CS 332: Principles of Operating Systems

Prereqs:
```
Last 4 digits of NJIT-ID ,

CS 114 or CS 116 or  IT 114

(i.e. arrays, linked lists, maybe hash tables,
          binary, hex, octal, denary conversions)
```

Course Email: alexg+cs332@njit.edu

subject: cs332 WXYZ hw1

Last four digits of your NJIT ID

Topic: eg hw1 for homework 1

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332A-8. Handout 1

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332A-8   Handout 1 is Syllabus (PDF, HTML, SectionB)

Contact Info: Also in course web-page

Grading: 1000 pts = Ex1 (250) + Ex2(250) + Ex3 (350) + HW1-5 (150)

Homeworks   Canvas due before noon Thu

Calendar: All dates (HW, Exams etc)

Learning Outcomes + Topics :   Handout 1, page 3

Course Policies: Handout 1, page 4

332A-9 Handout 2 is Technicals (PDF, Section B)

Related to Homeworks that require access to a linux computer

available in the OSL (Open System Lab)

Linux computers have addresses eg osl5.njit.edu , osl31.njit.edu etc

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332A-10. Handout 3

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332A-10 Handout 3 is 'Math for OS'   (PDF, Section B)

Exponentials (base 2) and logs (base 2)   `Subject 0   (some)`

Binary, Octal, Hexadecimal   `Subject 0 (some)`

Arrays, 'Pointers', and 'Pages'   `Subject 0 (some)`

Memory vs Arrays

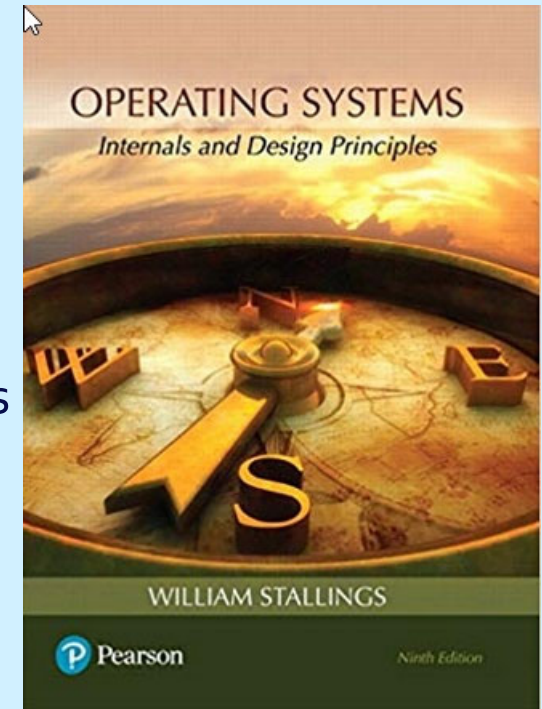ki..bytes   me..bytes   `Subject 0 :KiB,MiB,GiB`

Mild suggestion:

Memorize powers of two up to 2*16 : saves time!

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332A-11. Studying

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332A-11 Textbook

1. Get textbook,

2. Read relevant chapter, a bit prior, more after class,

3. After reading relevant chapter, go through the Subjects to isolate important points, use Kaltura voiceovers, or CISCO Webex recordings.

4. Navigate around review questions of textbook (they appear prior to Problems)

5. Try Self-Assessment in Subjects or sometimes in canvas if available for week (auto grading, context sensitive)

6. OS is a course THAT requires YOU to read the TEXTBOOK (once carefully and gradually, twice utilizing the Subjects before exams and final)

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