

Introduction to
Operating Systems at OU

CS 3113, Fall 2018

How to find the Instructors

Dr. Christan Grant	DEH 234	cgrant@ou
Dr. Andrew H. Fagg	DEH 243	andrewhfagg@gmail

- Office hours are still to be announced
- Appointments can also be made
- Instructors and TAs can be reached simultaneously:
cs3113@googlegroups.com

How to find the TAs

All TA office hours in DEH 115 (computer lab)

Khaled Jabr

khaled.jabr-1@ou.edu

Vinothini Rajasakeran

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William Kerber Teaching Scholars: DEH 115

Course Information

- Course web page: <https://oudalab.github.io/cs3113fa18>
 - Includes schedule and syllabus
- Canvas: announcements, assignments, grading
- Required Resources:
 - Operating Systems: Internals and Design Principles, Ninth Edition, William Stallings, 2017, Pearson: Prentice Hall. (ISBN 978-0134670959)
 - The Linux Programming Interface: A Linux and UNIX System Programming Handbook, First Edition, Michael Kerrisk, 2010, No Starch Press. (ISBN 978-1593272203)

CS 3113: Coverage

Mix of theory and practice:

- *nix system calls
- File Systems: Properties and Implementation
- Processes and Threads: Pipes, Concurrency and Synchronization
- I/O and Process Scheduling
- Security
- Embedded Operating Systems
- Virtual Machines

Our Assumptions About You

- Data Structures and Computer Organization
- C/C++
 - Control structures & primitive data types
 - Substantial design and debugging skill
- Computer system:
 - Laptop or equivalent for class
 - Laptop or desktop for outside work (note that we have Linux boxes in DEH 115)

Grading

- 5 Projects: 40%
- Exams: 30% (one midterm and a final)
- Homework: 15% (keep N-1 highest)
- In-class exercises: 15% (keep M-1 highest)

Official grades will be posted in Canvas

Homework Assignments

- Short-term
- Mix of coding and written answers

Projects

- Five 2-3 week long projects over the semester
- You will need this time
- Projects are done individually

Due Dates

- In-class exercises: due when asked for in class
- Homework and projects: due at 11:45pm on the date noted on the schedule
- Projects may be turned in up to 24 hours late with a 10% grade penalty
- All other assignments must be turned in by the deadline

Grading questions

- The graded assignment should be first brought to the person who graded it
- All grading questions must be brought to our attention within **one week** of when the item was returned
- Check your grades on Canvas

Proper Academic Conduct

Discussion about any topic with the instructors and/or TAs is fine

- We can also look at code, too

Proper Academic Conduct

Coding assignments (projects and coding homework assignments):

- Discussion about solutions with classmates is allowed
- Looking at network resources is allowed
- You must document your sources (classmates and network)
- No looking at or copying code solutions to the assignments

Proper Academic Conduct

Collaborative in-class exercises:

- We expect you to interact in small groups

Proper Academic Conduct

Non-code assignments, individual in-class exercises and exams:

- All work must be your own: no looking at or copying solutions from other students or from the net

Proper Academic Conduct

Code:

- Sharing solutions is punished to the same degree as receiving solutions
- Make sure that your computer and account are properly protected. Use a secure password
- Do not give out access to your account or your computer system
- Do not leave printouts or mobile drives around a laboratory where others might access them

Proper Academic Conduct

Programming projects will be checked by software designed to detect collaboration. This software is extremely effective and has withstood repeated reviews by the campus judicial processes.

Conduct Violations

- Upon the first documented occurrence of inappropriate collaboration, we will report the academic misconduct to the Campus Judicial Coordinator. The procedure to be followed is documented in the University of Oklahoma Academic Integrity Code
 - http://integrity.ou.edu/files/Academic_Misconduct_Code.pdf
- The appeals process for both admonitions and full complaints is described at:
 - <http://integrity.ou.edu/>

Laptop Policy

In Class:

- May be used to program along with the rest of the class or to take notes
- In-class assignments will require them

If you are using your laptop in a way that distracts people around you in class, you will be asked to leave.

Getting the most out of class

- Read materials ahead of time
- Ask questions
- Learn names of your fellow students (and use them)
- Participate in class discussions
- Attend class
- At the end of the semester, we should know your name

Appropriate Classroom Conduct

One rule: **Respect**

- Yourself
- Your peers
- The teaching team
 - Keep in mind: we are human, too, and we have many obligations

This Week...

Reading and next classes:

- Computer Organization Review
- Unix history

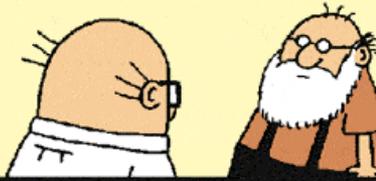
COMPUTER HOLY WARS

HOLD IT RIGHT THERE, BUDDY.



S. Adams E-mail: SCOTTADAMS@AOL.COM

THAT SCRUFFY BEARD... THOSE SUSPENDERS... THAT SMUG EXPRESSION...



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YOU'RE ONE OF THOSE CONDESCENDING UNIX COMPUTER USERS!

HERE'S A NICKEL, KID. GET YOURSELF A BETTER

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