

CSc 452: Operating Systems

Instructor:
Russ Lewis

TAs:
TBD

What is it?

- Prerequisites
 - 252, 345, 352
- Key Topics
 - How Operating Systems are implemented
 - Kernel vs. User Mode
 - Interrupts & Syscalls
 - Concurrency & Scheduling
 - Virtual Memory
 - Device Access

Online Textbook

- **Required Readings**

(due a while before first class each week)

URL: <https://learn.zybooks.com>

Code: [ARIZONACSC452CSCV452LewisSpring2023](#)

- Activities are embedded in the textbook
 - Will be part of your grade
 - See the zyBooks website for the due dates

Exams

- Tests
 - Thu 23 Feb
 - Thu 30 Mar
 - In class, 50 minutes long
- Final Exam
 - 2 hours long, same room
 - Tue 9 May, 8-10 am
- All exams:
 - Closed book
 - Closed notes
 - No calculators

Projects

- **5 Phases** (Phase 1 has 2 milestones)
 - Due 5pm, typically on a Thursday
 - Based on `USLOSS` simulator
 - Will gradually implement an OS
 - Will provide libraries for older phases
 - Done in pairs; pairs can change
- **Use the testcases!**

Academic Integrity

PAY ATTENTION!

- Phases
 - Work in pairs, turn in once to GradeScope
 - **ZERO** sharing outside your pair (even of past projects)
- Exams: Solo

Late Days? Makeup?

- **No late days**
 - Redo one instead
- Emergencies
 - Email me, I'll be happy to work with you
- Gradescope "Late Work Not Accepted" folders
 - Used for authorized emergencies
 - Also for Redo

Regrade Requests

- Regrade requests due **7** days after grades are announced to you
 - Later than that, we generally don't even consider them
- Exams:
 - Use GradeScope's "Regrade Request" feature
- Other
 - Email me

Grading Scale

- Standard 90/80/70/60 scale
 - Might lower the bar, never raise it
 - No extra credit
- Distribution:
 - 10% Online Readings
 - 50% Phases / milestones
 - 25% Tests
 - 15% Final

Key Websites

- <https://lecturer-russ.appspot.com/classes/cs452/spring23/>
 - Class homepage
- Discord server (see link on class homepage)
 - Questions
 - Office Hours
- <http://d2l.arizona.edu>
 - Grades
 - Panopto (Lecture Recordings, Project Overviews)
 - Access through “UA Tools” menu on D2L

Contacting Us

- Best: Discord channels (**not DMs**)
 - Other students probably want to know the same thing!
- Email me directly
 - If you have a private matter

Office Hours

- Office Hours schedule on class website
 - All hours in person (unless announced otherwise)

Academic Integrity

**YOUR WORK MUST
BE YOUR OWN**

Academic Integrity

- OK to discuss problems *“in broad terms”*
 - “What is Russ asking us to do?”
- **NOT OK** to discuss solutions
 - “How did you solve the problem?”
- **NOT OK** to look at others' code

Academic Integrity

- Always OK to talk to TAs & Instructor
 - Ask anything!
 - We might say “can't tell you”
 - We'll never penalize you for a question
- Discord a good place for general questions
 - Clarification of assignments

Academic Integrity

Penalties:

- Minimum:
 - **negative** 100% on the assignment
 - Better to skip the assignment than cheat!
 - Report to the Dean of Students
- Can be more!