

CSE 333 – SECTION 10

More classes & review

Course Evals

- We care about your feedback
 - <https://forms.gle/FtKvqdRAoGnG8E8n8>
- Please fill them out 😊

HW4

- How's HW4 going? Any Questions?
- **Due Saturday Night**

Final Exam

- No final exam

What We Learned

- C Programming
- POSIX
- C++ Programming
- Networks
- Threads

CSE 451 – Operating Systems

- This class is called “systems programming”
 - We hope you learned to interact with the OS
 - “magic OS stuff” kept mostly hidden in CSE 333
- If you want to understand the “Magic OS” stuff, take this!
- Usually considered a “must take” class
 - (Travis highly recommends the course)
- Usually in C 😊
- Partner class!
- Lots of work, but very rewarding!

CSE 452 – Distributed Systems

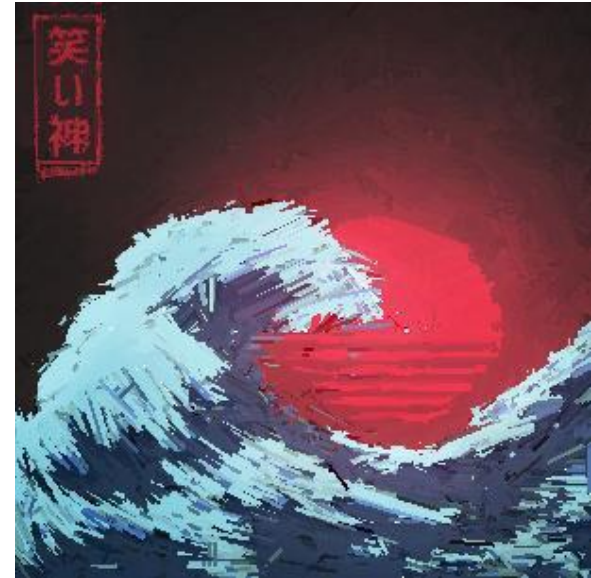
- Like OS, but understanding how multiple systems will interact with each other and over a network
- Doesn't require OS
- More theory to it than you'd think
- Lots of work (project is big and confusing)
- Usually hard to get in to the course
- Hard, but very very cool. Would strongly recommend.

CSE 461 - Networks

- We did a “basic” understanding of how networks work
- We mainly just understood how it works in C and with POSIX
- Want more network stuff?
- Any language you want (and some required python)
- Teams & Groupwork
- Very interesting course, would recommend! - Travis

CSE 457 - Graphics

- Cool, but hard
- Requires 333
- Lots of C/C++, some (light) linear algebra & physics
- If you want to do graphics, you have to do it in C++
- You will make cool artifacts in this course!
- Skeleton code provided is not documented well and a little bit “spaghetti” ☹️



CSE/ECE 474 –Embedded Systems

- If you like C programming, and what we showed in concurrency
- You learn how to interact with a computer with limited ram, and other resources
- Learn How this computer acts different due to “Real Time” requirements.
- C, Team & Partner work
- Can be a lot of work
- you need background info



CSE 332 – Data Stucts & Parallelism

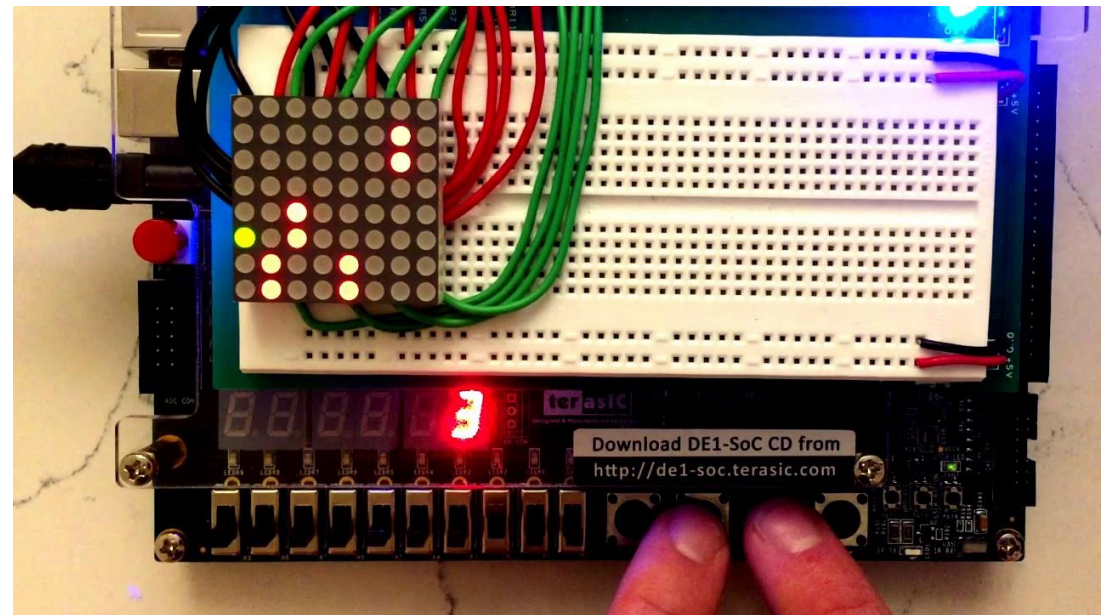
- If you like concurrency, then you'll hopefully like the last part of this class!
- Required to take it anyways
- Team work (usually)
- Cool course 😊
- In java 😞

Web Programming!

- In case you liked doing the html part of HW4 (for some reason)
- In case building a website like 333gle is really cool to you
- CSE 154 – Web Programming
 - JavaScript, HTML, CSS, (Python maybe?)
 - More hands on and helpful like 142
 - Not as harsh as 14x
- CSE 442
 - JavaScript, D3, Tableau
 - More focused on learning to make viz
- INFO 340
 - I've been told it is good by other CS majors

CSE 369 / ECE 271 Digital Design

- Learn some of how computers work
 - Internal Clocks inside computers
- Learn about bytes & bit manipulations
- Deals with some Boolean algebra
- “Hardware applications of some of 311”
- It is all in Verilog!



CSE/ECE 371 Adv. Digital Design

- If you liked Verilog from previous course (271/369)
- Pretty much, you do more Verilog and a little C



CSE/ECE 469 & 470 Computer Arch.

- If you want to now even lower level details into what makes your computer.
- Goes into some processor design, instruction set details, pipelining etc. (Cool stuff)
- Varies from professor to professor
- Could be group work
- In either System Verilog or C

CSE 455 – Computer vision

- “Awesome” – Tarkan
- Requires 333
- Deals with bytes in an image
 - This part is in C 😊
- Deals with ML
 - “New ways” to do computer vision via ML
- Sometimes, these are the people makingattu slow 😞



CSE 401 - Compilers

- “Awesome” – Travis
- Does not require CSE 333
- You have a project that has you:
 - Scan a java program into tokens
 - Parse the tokens into a “program tree”
 - Generate symbol table
 - Check semantics
 - Outputs runnable assembly
- Course is cool, incorporates aspects of CSE 331, CSE 311, and CSE 351
- In java, but still a great course!

CSE 484 - Security

- Cool course, but not just systems
- You learn about security generally
- This includes understanding some system security flaws (in C/C++, buffer overflow attacks).
- First lab in the course is in C
- Considered light workload, but still cool 😊

TA-ing

- You are all well enough equipped to TA CSE333, CSE351, CSE374 and others.
- You do NOT have to 4.0 a class to TA it (I didn't 4.0 this class)
- You do NOT have to be a super social person
- TA-ing will reinforce your understanding of any material
- If you think you would be interested, I would highly recommend reaching out and giving it a try.
- If interested, but scared
 - We have TA training for this
 - Feel free to talk to me or another TA/Professor about it. We are happy to chat :)

Courses in C/C++

- CSE 351
- CSE 333
- CSE 374
- CSE 451
- CSE 455
- CSE 457
- CSE 474
- CSE 484

Ask us Anything!!



Good Luck <3

