

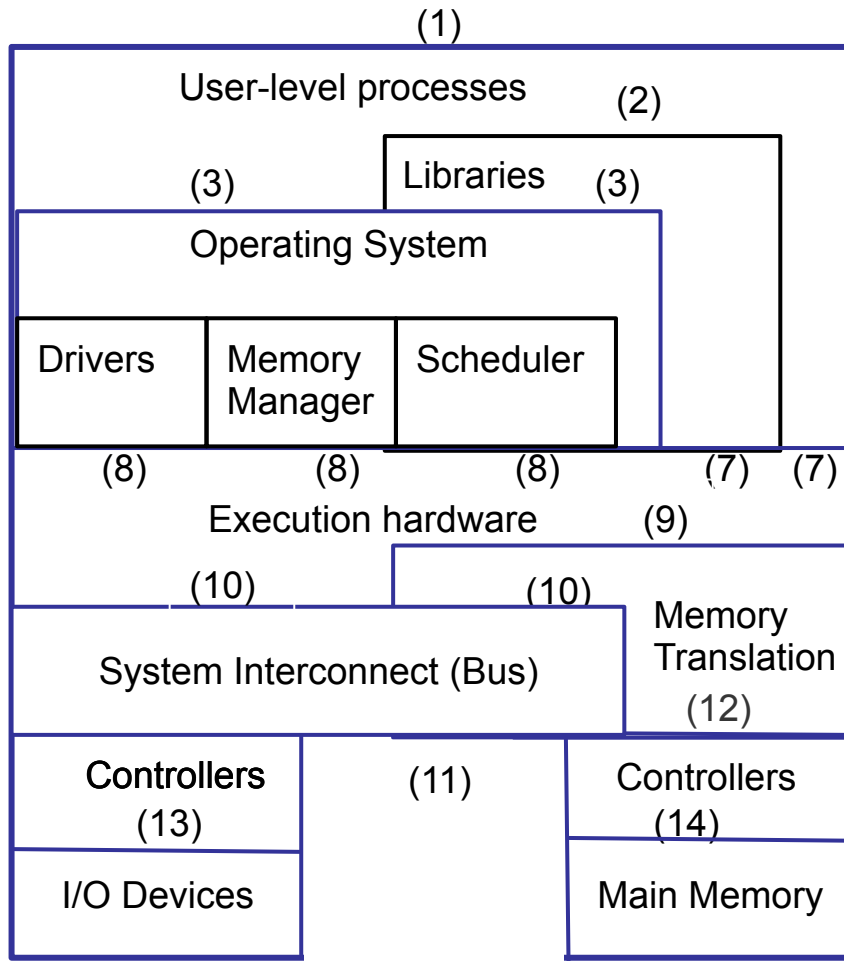
CS550 –Operating Systems Course Overview

Instructor: Kartik Gopalan

Class website:

<http://www.cs.binghamton.edu/~kartik/cs550/>

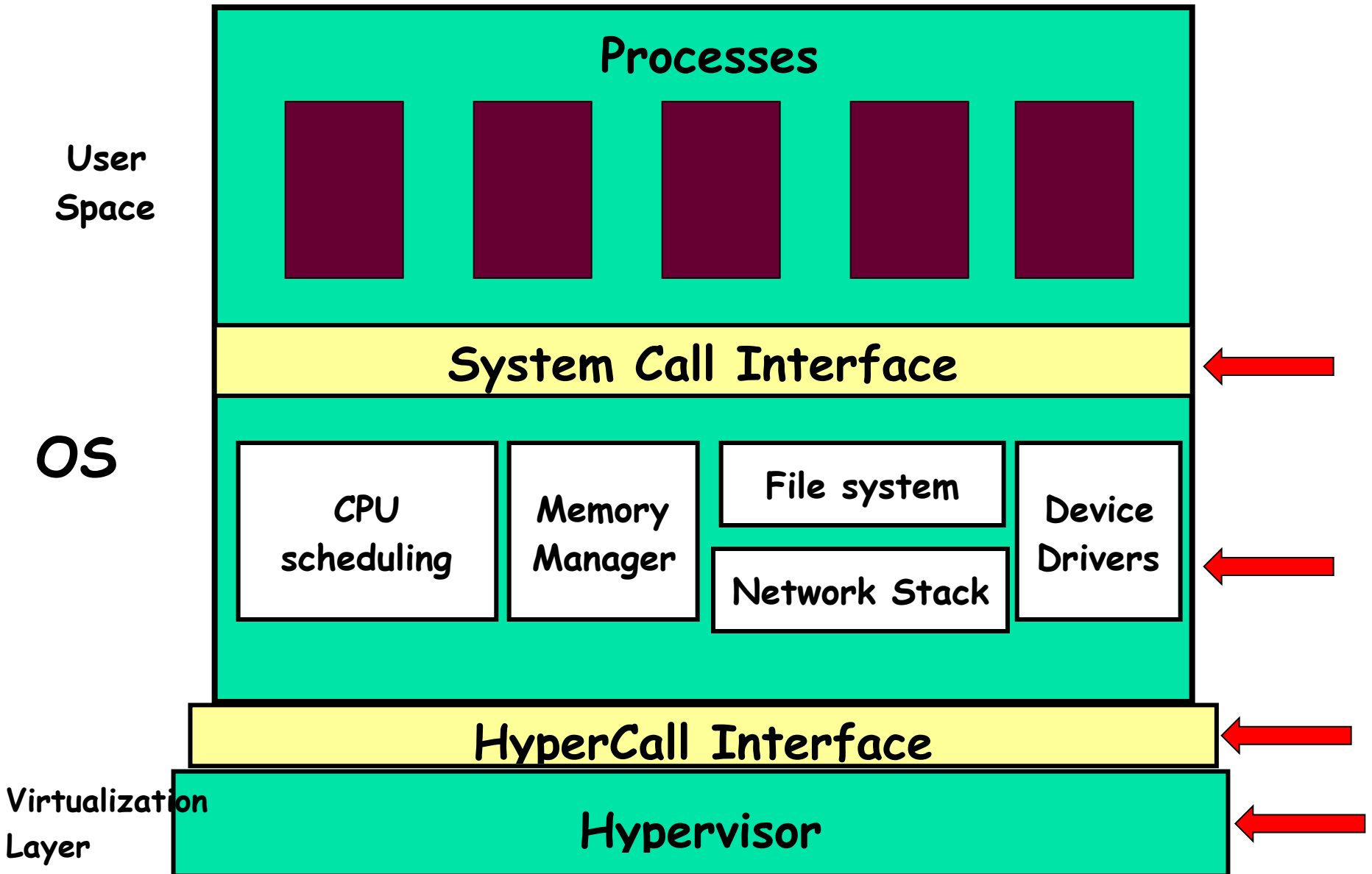
Interfaces in a Computer System



User ISA : 7
 System ISA : 8
 Syscalls : 3
 ABI : 3, 7
 API : 2, 7

ISA = Instruction Set Architecture
 ABI = Application Binary Interface
 API = Application Programming Interface

Layers of Software



Coverage of Topics

- Concurrency
- Memory Management
- CPU Scheduling
- File Systems
- Input/Output
- Virtualization
- Security
- Basics of Programming in the Linux Kernel
- Other topics as appropriate

Class Logistics

- Class website
 - <http://www.cs.binghamton.edu/~kartik/cs550>
- Course Material
 - Lecture slides and papers posted on the class website
 - Andrew Tanenbaum, Modern Operating Systems, 3rd or 4th edition
- Read the course policies.
- Website will also have office hours, test dates, assignments, test samples etc.

Accounts you need

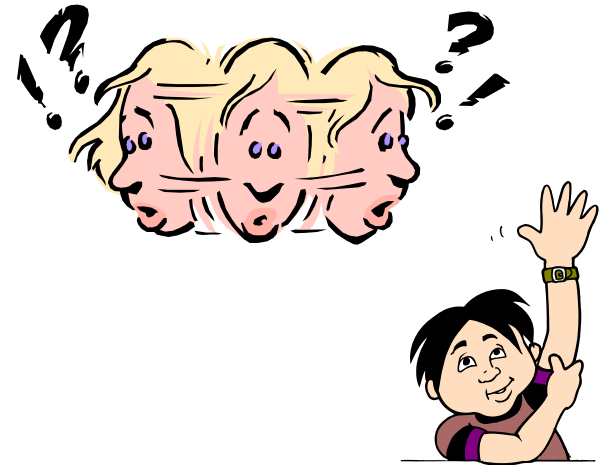
- BU Email account
 - <yourid>@binghamton.edu
 - For communicating with me and TA
 - For receiving announcements
- CS LDAP Account
 - to log into machines in G-7 and Q-22
- “Network Boot” image in the G-7 instructional lab
 - Your own Linux kernel that you will work with.
 - Explained during Lab
- Access to blackboard
 - For submitting your assignments
 - Getting grades
 - <http://blackboard.binghamton.edu>

Students with disabilities

- Please contact me within first two weeks of class.
- Please contact the SSD office for any accommodations.
 - Bring me their letter.
- Don't hesitate to tell me if some aspect of the class is not working for you.
 - We will promptly work with you and SSD to fix it.

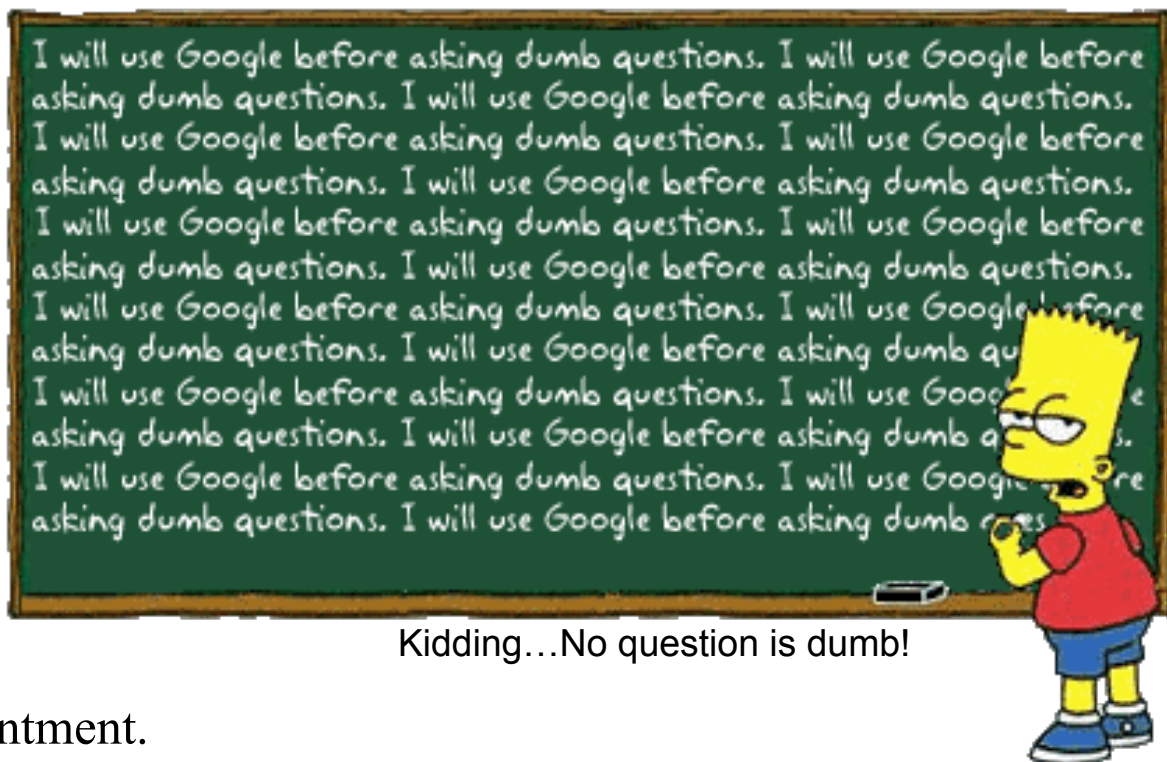
To ask or not to ask?

- Instructor and TAs are not a psychics!
 - If you don't ask, then we won't know how to help.
- Please let us know if...
 - You are lost
 - You don't understand something
 - You don't have the background
 - Class can be improved in certain ways
- Feel free to give anonymous feedback online
 - Especially in the middle of the semester
 - Though direct feedback is always welcome.
- Ask for help early
 - Don't wait till the last minute



Asking Questions

- Make Google your friend!
 - Can't beat the response time!
- Email me/TAs anytime
- Stop by during office hours
- Any other time
 - Please email me for an appointment.
 - Otherwise, you may not find me, or you may find me busy with something else.

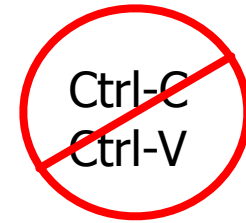


Stressed?



- Keep the perspective
 - This is only one little course in the scheme of “things”.
- If you are overwhelmed with the course, talk to us.
- If you are depressed or panicking.
 - Seek professional counseling.
 - <http://counseling.binghamton.edu/>
 - Hope you won't need to 😊

Academic Integrity



•Means

- Do your own work. Don't do others' work.
- Don't ask/give solutions, including code.
- Don't get code from the Internet.
- Protect your code

•Moss: A tool for detecting software plagiarism will l

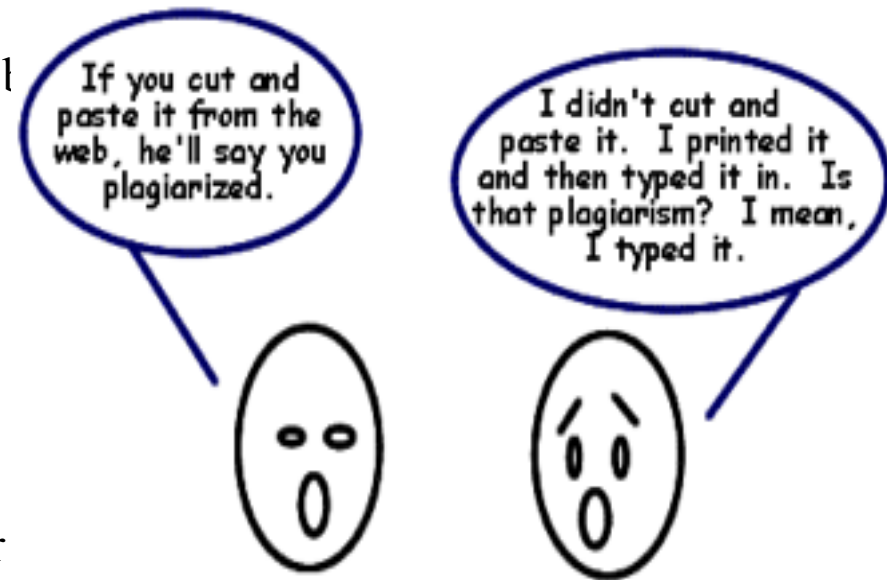
•Please read the policies on course web page

•Dishonesty →

- You can get an F grade
- Be referred to the Dean's office

•Its better to submit an imperfect assignment of your one.

- You can get partial grades for incomplete work.
- But you'll get F for copied work.



http://library.kcc.hawaii.edu/main/instruction_info/

Missed Exams/Assignments

- No makeup exams/assignments.
- Except for medical emergencies or jury duty when accompanied with valid documentation.
- Plan your other commitments (travel,interviews etc) around deadlines.

Questions?