Computer Science 325  
Computer Org/Operating Systems  
9:30 – 10:50 T/Th  
Stuart Hall 308

Instructor: Dr. Stephen Hughes  
e-mail: shughes@coe.edu  
phone: 399-8231

Office Hours:  
Mon/Wed 1:00 – 2:30  
Tues 11:00 – 12:00  
By Appointment or Open Door.  
315 Stuart Hall

COURSE DESCRIPTION

This course introduces the organization and structure of major hardware components of computers. Assists the student in understanding the mechanics of information transfer and control within computer systems and provides the fundamentals of logic design. Operating systems principles and the interrelationships between the operating system and the architecture of computing systems are included.

Prerequisite: Computer Science II (CS-225).

COURSE MATERIALS

Textbook:  
Operating Systems Concepts, Silberschatz, Galvin and Gagne. Wiley,  
ISBN-13 9780470128725

You are required to have a (4GB min) thumb drive that you can dedicate to coursework for this class. Additionally there are numerous resources that can be found online to support our objectives. Some websites that you should become familiar with include:

- http://linuxnewbieguide.org/  
- http://stackoverflow.com/  
- http://www.ubuntu.com/  
- http://www.linux.org/

STUDENT ASSESSMENT

20%  Exam 1:  Week of Sept 29.  
20%  Exam 2:  Week of Nov 10.  
25%  Comprehensive Final Exam:  Dec 16, 8:00-10:00  
30%  Assignments:  There will be approximately 5 programming assignments, as well as multiple written assignments over the course of the semester.  
5%  Math/CS Culture

Your grades are considered confidential in accordance with FERPA (See page 47 of the Coe College Catalog). Letter grades will be assigned based on the following scale.

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<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>93 ≤ ≤ 90</td>
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<tr>
<td>B+</td>
<td>87 ≤ ≤ 90</td>
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<td>C+</td>
<td>80 ≤ ≤ 87</td>
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<td>B</td>
<td>77 ≤ ≤ 80</td>
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<td>73 ≤ ≤ 77</td>
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<td>D</td>
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COURSE POLICIES

Attendance Policy
Class attendance is vital to your success in this course; material covered during missed sessions is the responsibility of the student. Conversations held in class illuminate the published class materials and should not be missed. Graded in-class activities will not be available for make-up without prior approval or extreme circumstances.

Late Work
All assignments are expected to be submitted on time. I understand that events sometimes conspire against us. If your work is going to be late, you should contact me in advance to negotiate a new deadline. Work that is submitted late without prior approval will not receive full credit; work submitted beyond two weeks of the deadline will not be accepted.

Office Hours
Office hours are an opportunity for you to clarify details you may have missed in class, discuss general computer science issues, or to have a profound conversation about marmots. It is time that is reserved for you; I may appear busy, but you are not interrupting me – unless another student has arrived first. If you come to office hours with a problem on the assignment, you should come prepared to answer questions, as well as ask them. If you have questions regarding code, you also should come prepared with access to an electronic version of your work.

Academic Integrity
Honesty and integrity are qualities we value in ourselves and in others. You are expected to be fully aware of your responsibility to maintain the highest degree of integrity in all of your work. It is accepted that you have read and understood the standards for academic integrity outlined on page 41 of the Coe College Catalog, and will abide by these standards for this course.

I believe that you can learn a lot from your peers, both in the class and in the broader community. Therefore, I strongly encourage collaboration with both. However, do not mistake this as a license to cheat. It is one thing to learn from and with your peers, it is another to pass their work off as your own. With respect to writing code for this class:

- You are expected to document any collaboration that takes place.
- Absolutely no electronic transfer of code between students is permitted.
- Any code that you “find” on the Internet must be cited, with an active link to that code.
- While you are encouraged to engage in conversations in online forums, under no circumstances are you permitted to solicit other individuals to complete your work for you.

Ultimately, YOU are responsible for all aspects of your submissions. Failure to be able to explain and defend your submission will be treated as a violation of academic integrity.

Special Services
If you have special academic or physical needs requiring accommodations, please meet with me during my regular office hours or schedule an appointment as soon as possible. We need to discuss any accommodations before they can be implemented.

End of Course
This course officially ends with the scheduled Final Exam session. No work for this class will be accepted beyond that point.