ISAT 121 – Installing and Upgrading Computer Systems  
Spring 2015, Section-001, ASA 113/208, M, W, 1:00 to 2:50

Instructor: Michael Smith  
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Office Phone: 618-525-2261 (cell)  
Office Hours: T, R, 12:30 – 3:30

Office: Engineering C, Room 203  
Final Exam Time: Friday, May 15, 12:30-2:30 p.m.

Prerequisite to: ISAT 224

Text: Meyers, Mike, Mike Meyers’ CompTIA A+ Guide to Managing and Troubleshooting PCs  
(Fourth edition), McGraw Hill

ISBN: 978-0-07-179587-6 (Do Not Buy the Lab Manual)

Other Requirements: An active SIU e-mail account (by second day of class).

Objectives:
1. Identify the major components of a computer system;
2. Describe/convert between binary, hexadecimal, octal, and decimal numbering systems;
3. Select, install, and configure computer systems/system components;
4. Understanding how a motherboard, processor and memory works;
5. Select, install, and configure an operating system;
6. Troubleshoot a computer system;
7. Upgrade an existing computer system;
8. Select, install, and configure system peripherals;
9. Identify and describe current types of networks;
10. Understand how to establish Internet connectivity.

Course Policies/Procedures/Expectations:
- Cell phones must have their ringers off and stored in your book bags.
- Text messaging is not allowed.
- Attend all classes and complete all work in assigned.
- Be on time and prepared for class discussions.
- Turn in completed assignments and labs when due.
- Take all tests when given in class (unless the instructor is notified for the reason beforehand and agrees to an alternate time).
- Follow the directions given by the instructor and to ask if you have questions.
- If you miss a class session it is your responsibility to determine any assignments, or upcoming due dates, etc.
- Students are responsible for adhering to the SIUC Code of Student Conduct and the ISAT Policy on Academic Dishonesty found at: http://www.siu.edu/~isat/isatacademicdishonestypolicy.htm

Individuals experiencing difficulty with deadlines, workloads, or any class related work should contact the instructor. The instructor will address problems on a case-by-case basis.

A USB flash drive is highly recommended. Students may have occasion to save files or to transfer files.

Preparing for Lectures/Discussions: Each student is responsible for completing the assigned readings in preparation for lectures and discussions.
Exams: There will be two exams and a final worth 100 points each. These exam points will comprise 300 of the 520 available points. Exam scheduled dates will be announced in class. If an extraordinary situation occurs that is beyond your control that causes you to miss an exam:

1. It is your responsibility to discuss the circumstances with your instructor
2. Opportunities to makeup an exam that has been missed will only be permitted if the reason is discussed with the instructor within one week of the missed exam

Labs: There will be numerous labs with point values ranging from 5 to 20 points depending on difficulty. Labs will comprise approximately 200 of the 500 available points. Some labs will be done in class working with your assigned PC. Other labs involve Web-based research.

Grading: Grades will be a percentage of accumulated points versus possible points from quizzes, homework, and the following:

- Projects/Labs/Assignments – 200 total points
- Exam 1 - 100 points
- Exam 2 - 100 points
- Final Exam - 100 points

Total Points - 500

Grading Scale: Based on a percentage of accumulated points

- 90% - 100% A
- 80% - 89% B
- 70% - 79% C
- 60% - 69% D
- < 60% - F

Assigned Readings: Students are responsible for completing the assigned readings before class. It is highly recommended that students take notes when reading to assist with class discussions and in studying for exams. The readings in the book may on occasion be supplemented by handouts or assigned on-line readings. Test questions may be based on the text, handouts, or assigned on-line readings.

Disability Support: If you have a disability that impedes participation with this course, please contact Disability Support Services at 618-453-5738 or DSSsiu@siu.edu

University Emergency Procedures: Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on the BERT website at www.bert.siu.edu, Department of Public Safety’s website at www.dps.siu.edu (disaster drop down) and in Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

Student Conduct Code: Students are expected to comply with the terms of the Student Conduct Code which can be found here: http://policies.siu.edu/documents/StudentConductCodeFINALMay32011.pdf