CIT 141 001– PC/Networking Fundamentals

SYLLABUS - Spring, 2009

INSTRUCTOR: Lee Weiner

OFFICE: ST 344

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COURSE CREDIT & PREREQUISITE: 3 cr. A grade of 'C' or better in MAH 099 or placement.


COURSE TOPICS:
1. Basic electrical concepts (1 week)
2. PC Components & their functions (2 weeks)
3. Assembling a Computer (2 weeks)
4. System Software Fundamentals (1 week)
5. Microsoft Windows XP (2 weeks)
6. Microsoft Server 2003 (2 weeks)
7. Advanced Hardware & Software for Servers (1 week)
8. Computer Network Fundamentals (2 weeks)
9. Troubleshooting PC Hardware & Software (2 weeks)

STUDENT LEARNING OUTCOMES: By the end of this course, students should be able to:

1. Describe the components of a personal computer and the function of each.
2. Select the proper components for the target audience of the PC.
3. Assemble a personal computer, solving the problems that arise during assembly.
4. Describe the functions of the multiple components of System Software.
6. Set up a peer-to-peer computer network.
7. Set up a client-server computer (domain) network.
8. Describe the differences between the two types of computer networks, and be able to select the proper type for a particular situation.
9. Use available tools (programs) to troubleshoot problems with computers and networks.

ASSESSMENT: Student's grade in the course will be earned/calculated as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>10 Laboratory Exercises</td>
<td>30%</td>
</tr>
<tr>
<td>Two Hourly Exams</td>
<td>40%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
</tbody>
</table>

A → 90 -100
B → 80 - 89
C → 70 - 79
D → 60 - 69
F → less than 60

The midterm and final exam will assess student knowledge and comprehension of the various topics listed above, and the laboratory exercises will assess the student's ability to put that knowledge into practice in building and repairing a PC, and setting up and repairing a computer network.
ATTENDANCE: Students are expected to attend the classroom sessions and laboratory sessions on a regular basis. For each absence after the first two, the student will lose 50% of an exercise grade (or 1.5 percentage points on his/her final average), up to a maximum of three exercise grades (or 9 points on his/her final average). If you arrive for class after I’ve taken attendance, you have been marked absent. It is your responsibility to let me know you were there, and to have you marked present.

OTHER:
1. No make-up tests will be given without prior consent of the instructor.
2. Assignments will not be accepted late without prior consent of the instructor.
3. Tests will be made up of material covered in class and readings specifically assigned by the instructor. The student is responsible for all material assigned or covered in class.
4. The last day to withdraw from the class without a grade is February 2\textsuperscript{nd}. The last day to withdraw with a grade of "W" is March 30\textsuperscript{th}. The policy regarding mid-term grades can be found in the Departmental syllabus.
5. The final exam for this class will be at 1:00 PM on Thursday, May 7\textsuperscript{th}.
6. Disability Services: Students with disabilities who require accommodations (Academic adjustments, auxiliary aids or services) for this course must register with the Disability Services Office. Please contact the Disability Service Office immediately in the University Center, Suite 320 or call 859-572-6373 for more information. Verification of your disability is required in the Disability Services Office for you to receive reasonable academic accommodations. Visit the website at www.nku.edu/~disability/.
7. The instructor reserves the right to change this syllabus as he deems necessary.
8. The instructor will take a dim view of anyone who makes fun of his hair in class.

Reading Assignments for CIT 141*

IT Essentials: PC Hardware and Software Companion Guide (Cisco Networking Academy Program)

1. Information Technology Basics Chapter 2
2. Computer Components & Their Functions Advanced Personal Computers Chapter 1 Chapter 11
3. Assembling a Computer Chapter 3
4. Operating System Fundamentals & Windows XP Advanced Operating Systems Chapter 5 Chapter 12
5. Networking Fundamentals Advanced Networks Chapter 8 Chapter 15
6. Preventive Maintenance & Troubleshooting Chapter 4

*Additional readings may be assigned during the course.