ELET 4421
Computer Network Lab

Fall 2006

Section: 13493  
Time: 1:00-4:00 pm (Tuesday)  
Room: 129T1  
Instructor: Dr. Gurkan  
Lab Manager: Sergio Chacon  
Lab Assistant: Anh Nguyen  
Email: schacon@Central.UH.EDU  
Email: duyanhbk@yahoo.com

Course Description:  
Prerequisites: ELET 3402 and 3405. Introduction to computer networking: Local area networking, access technologies, and internet protocol. Laboratory instruction in network implementation and development and operating system management.

General Procedures:  
☐ Sign in the attendance sheets.  
☐ Submit your prelab prior to the lab.  
☐ A brief presentation will be given for the lab.  
☐ Complete the lab work.  
☐ Clean up your desks and sign out the attendance sheets.

Lab Manual:  
Lab manuals for each experiment will be provided one week in advance.

Final Project/Final examination:  
Each team will work on a project at the end of the semester. Each group must write one project report and also prepare a short power point presentation on the project, not exceeding five minutes.

Grading:  
Attendance: 10%  
Pre-lab assignments: 20%  
Work in the lab: 35%  
Lab report: 25%  
Teamwork & communication: 10%

Each experiment is worth 100 points  
Your attendance grade will drop to 5% if you are later than 15 min to an experiment!!!
**Attendance:**
Attendance at every lab session is mandatory. Absences will be recorded and will reflect on your grade.

**Open Labs:**
Basically, we have no Open Labs for this Computer Network Lab. However, if you are unable to complete an experiment in the allotted time during a lab session or if you were absent during a lab session due to a genuine reason, you could make up by attending Open Lab Sessions. Open Lab Sessions will be conducted every Thursday morning from 8:00 to 1:00 pm. The lab assistant will be present in the lab once every week during the Open Lab Session to assist you. In order to attend an Open Lab Session, you must obtain a written consent from the lab assistant (Open Lab form).

*Please notice that you should have a very good reason to get the permission for the Open Lab !!!*

**Laboratory Rules of Conduct:**
1. You must come for the lab session on time.
2. All teams must clean their workstations before they leave the laboratory.
3. Food and beverages are not permitted in the labs.
4. You must follow all the instructions of the Lab Assistant in the lab.

**Surveys:**
Two student surveys will be conducted during the course of the semester. Your suggestions and comments will be highly appreciated.

**Religious Holidays:**
If you are unable to attend a lab session due to a religious holiday, you must inform and take the consent of the lab manager and the lab assistant in advance. You must also make up for the lab session missed by attending an Open Lab Session.

If you have any questions or concerns about the Labs or the Lab Assistant, you may contact the Lab Manager or the Instructor of Record.
**Tentative Course Schedule**

<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Experiment</th>
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<tbody>
<tr>
<td>1</td>
<td>08/22</td>
<td>Experiment 0: Introduction to the Computer Network Lab</td>
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<tr>
<td>2</td>
<td>08/29</td>
<td>Experiment 1: Understanding the role of MS Windows Server 2003</td>
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<td>3</td>
<td>09/05</td>
<td>Experiment 2: Administering MS Windows Server 2003</td>
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<td>4</td>
<td>09/12</td>
<td>Experiment 3: Monitoring MS Windows Server 2003 &amp; Backing Up and Restoring Data</td>
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<tr>
<td>5</td>
<td>09/19</td>
<td>Experiment 3: Continue</td>
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<tr>
<td>6</td>
<td>09/26</td>
<td>Experiment 4: Working with User Accounts, Groups and Computer Accounts</td>
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<tr>
<td>7</td>
<td>10/03</td>
<td>Experiment 4: Continue</td>
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<tr>
<td>8</td>
<td>10/10</td>
<td>Experiment 5: Sharing File System Resources</td>
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<td>9</td>
<td>10/17</td>
<td>Experiment 6: Managing Device Drivers and Disk Storage</td>
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<td>10</td>
<td>10/24</td>
<td>Experiment 7: Computer Components and Network Interface</td>
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<td>11</td>
<td>10/31</td>
<td>Experiment 8: Physical and Data Link Layers</td>
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<td>12</td>
<td>11/07</td>
<td>Experiment 9: Physical Layer Signaling</td>
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<td>13</td>
<td>11/14</td>
<td>Final Project</td>
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<tr>
<td>15</td>
<td>04/28</td>
<td>Final Project</td>
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Please comply with the rules and regulations in your student handbook. For more information please see: [http://www.uh.edu/provost/stu/stu_syllabsuppl.html](http://www.uh.edu/provost/stu/stu_syllabsuppl.html)

This course learning outcomes are aligned with the following program goals:

Students will increase laboratory skills in a new practical, hands-on, core laboratory in CETE Program.
Student use laboratory computer systems effectively to fulfill course objectives.
Students demonstrate hardware and software skills.