



# NEW YORK CITY COLLEGE OF TECHNOLOGY

THE CITY UNIVERSITY OF NEW YORK

Department of Computer Engineering Technology

300 Jay Street, Brooklyn, NY 11201-1909

## CET4773: Microcomputer Interfacing I Spring 2014

### Schedule

Week	Topic	Lab Topics
<b>1</b> Wed, 1/29 Fri, 1/31	<b>Module 0 – Introduction</b> <b>Module 1 – Networking Concepts (1.1, 1.2)</b>	<ul style="list-style-type: none"><li>▪ LabSim (Account Setting)</li><li>▪ Mindshare 1 (Devices and Cables)</li><li>▪ Network Simulator 1 (Skill Builders: Part 1)</li></ul>
<b>2</b> Wed, 2/5 Fri, 2/7	<b>Module 1 – Networking Concepts (1.3, 1.4, 1.5, 1.6)</b>	<ul style="list-style-type: none"><li>▪ Mindshare 2 (The OSI Model)</li><li>▪ Network Simulator 2 (Skill Builders: Part 2)</li></ul>
<b>3</b> Wed, 2/12* Fri, 2/14	<b>Module 2 – Cisco Devices</b>	<ul style="list-style-type: none"><li>▪ Mindshare 3 (Binary Numbers)</li><li>▪ Network Simulator 3 (Skill Builders: Part 3)</li></ul>
<b>4</b> Wed, 2/19 Fri, 2/21	<b>Module 3 – LAN Implementation</b>	<ul style="list-style-type: none"><li>▪ Mindshare 4 (MAC Addressing)</li><li>▪ Network Simulator 4 (Configuration Scenarios: Part 1)</li></ul>
<b>5</b> Wed, 2/26 Fri, 2/28	<b>Module 4 – Wireless Networks</b>	<ul style="list-style-type: none"><li>▪ Mindshare 5 (Switch Basics)</li><li>▪ Network Simulator 4 (Configuration Scenarios: Part 2)</li></ul>
<b>6</b> Wed, 3/5 Fri, 3/7	<b>Module 5 – Subnetting</b>	<ul style="list-style-type: none"><li>▪ Mindshare 6 (Switch Behavior)</li><li>▪ Network Simulator 6 (Subnetting Exercises: Part 1a)</li></ul>
<b>7</b> Wed, 3/12 Fri, 3/14	<b>Module 6 – WAN Implementation</b>	<ul style="list-style-type: none"><li>▪ Mindshare 7 (IP Addresses)</li><li>▪ Network Simulator 7 (Subnetting Exercises: Part 1b)</li></ul>
<b>8</b> Wed, 3/19 Fri, 3/21	<b>Module 7 – Advanced Switching</b>	<ul style="list-style-type: none"><li>▪ <b>Mid Term Exam</b></li></ul>

<p><b>9</b> Wed, 3/26 Fri, 3/28</p>	<p><b>Module 8 – Access Lists</b></p>	<ul style="list-style-type: none"> <li>▪ Mindshare 8 (Routing Protocols)</li> <li>▪ Network Simulator 8 (Configuration Scenarios: Part 2 - Configuring VLANs)</li> </ul>
<p><b>10</b> Wed, 4/2 Fri, 4/4</p>	<p><b>Module 9 – IP Routing</b></p>	<ul style="list-style-type: none"> <li>▪ Mindshare 9 (Routing ARP)</li> <li>▪ Network Simulator 9 (Configuration Scenarios: Part 3a)</li> </ul>
<p><b>11</b> Wed, 4/9 Fri, 4/11</p>	<p><b>Module 10 – Troubleshooting Routing</b></p>	<ul style="list-style-type: none"> <li>▪ Mindshare 10 (Routing NAT/PAT)</li> <li>▪ Network Simulator 10 (Configuration Scenarios: Part 3b)</li> </ul>
<p><b>12</b> Wed, 4/16* Fri, 4/18*</p>	<p><b>Spring Break. Enjoy!</b></p>	<p><b>Spring Break. Enjoy!</b></p>
<p><b>13</b> Wed, 4/23 Fri, 4/25</p>	<p><b>Module 11 – Frame Relay</b></p>	<ul style="list-style-type: none"> <li>▪ Mindshare 11 (Protocols)</li> <li>▪ Network Simulator 11 (Configuration Scenarios: Part 3c)</li> </ul>
<p><b>14</b> Wed, 4/30 Fri, 5/2</p>	<p><b>Module 12 – Advanced TCP/IP Configuration</b></p>	<ul style="list-style-type: none"> <li>▪ Mindshare 12 (Subnetting)</li> <li>▪ Network Simulator 12 (Configuration Scenarios: Router Configuration)</li> </ul>
<p><b>15</b> Wed, 5/7 Fri, 5/9</p>	<p><b>Module 13 – Network Security</b></p>	<ul style="list-style-type: none"> <li>▪ Mindshare 13 (Cisco IOS)</li> <li>▪ Network Simulator 13 (Configuration Scenarios: Router Configuration 2)</li> </ul>
<p><b>16</b> Wed, 5/14 Fri, 5/16</p>	<p><b>Review and Practice for Exam</b></p>	<ul style="list-style-type: none"> <li>▪ 100. Networking Concepts</li> <li>▪ 200. Switching</li> <li>▪ 300. IP Addressing</li> <li>▪ 400. Routing</li> <li>▪ 500. Wireless</li> <li>▪ 600. Security</li> <li>▪ 700. ACLs and NAT</li> <li>▪ 800. WANS</li> </ul>
<p><b>17</b> Wed, 5/21</p>	<p><b>FINAL EXAM [Certification Practice Exam (60 questions)]</b></p>	

\*No classes or meeting