SYLLABUS

CIS231 - WINDOWS SERVER ADMINISTRATION II

COURSE DESCRIPTION

In this course the student will install and configure a Windows server. Topics will include Network Protocols, Active Directory and Dynamic Host Configuration Services. Students will learn how to install and configure network services on the server, manage partitions, create and administer system policies. Other topics covered include auditing system resources and events, using Windows Diagnostics and monitoring system performance. Students will be provided with the knowledge and skills necessary to install, configure and maintain a Windows server in a Windows based network. Prerequisite: CIS131 with C or better or permission of the instructor.

STUDENT LEARNING OUTCOMES / INSTRUCTIONAL OBJECTIVES

Students who successfully complete Windows Server Administration II will be able to:

- Install and configure a multiple server, multiple client Microsoft domain based network.
- Install and configure Active Directory
- Use Sysprep to create a default user profile
- Install and configure DHCP Services in the domain
- Configure a Windows server as a NAT router
- Manage a DNS database
- Demonstrate the ability to troubleshoot domain and network related problems
- Use group policies to deploy printers and software
- Install and configure remote desktop and terminal services.

REQUIRED TEXTBOOK

No new textbook is needed. We will use the same book used in CIS131:
Windows Server 2012 Inside Out
by William R. Stanek
Microsoft Press

REQUIREMENTS

The student will be required to complete all assignments. The class designated system must be used to perform the assignments. In many cases, homework assignments will build off each other, therefore students must complete assignments in the order assigned. Unless otherwise stated, these assignments will be due two weeks from the date assigned. If an assignment is submitted after the due date, there will be a 15-point deduction from the grade for each week that it is late. **Assignments more than 2 weeks late will NOT be accepted.**

There will be some class time during the course of the semester for lab work; however, most of the student's lab work will be completed out of class, on their own time.
Website:
All course materials are available on the class website. Each student is responsible for checking the site regularly for any class announcements and posting of assignments.

COURSE OUTLINE
- Server 2016 Installation and Configuration
- Windows 7 Installation and Configuration
- Windows 10 Installation and Configuration
- Active Directory Installation and Configuration
- Advanced File System Management
- Disk Quotas
- Distributed File System
- Server Administration
  - Terminal Services
  - Delegating Administrative Authority
  - Software update Services
- Dynamic Host Configuration Protocol
- Domain Name System
- Recovery Console
- Active Directory Restore

EXAMINATIONS
A cumulative 2-hour final exam will be given at the end of the course.

GRADING
Weight of exams and lab assignments:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Homework</td>
<td>65%</td>
</tr>
<tr>
<td>Attendance, Class Participation, Timeliness of Homework Submissions</td>
<td>10%</td>
</tr>
</tbody>
</table>

Exams and homework will be graded on a percentage basis as follows:

- A+ = 97 - 100
- A = 94 - 96
- A- = 90 - 93
- B+ = 87 - 89
- B = 84 - 86
- B- = 80 - 83
- C+ = 77 - 79
- C = 74 - 76
- C- = 70 - 73
- D = 60 - 69
- F = Less than 60

TEACHING METHODOLOGY
The course is given using the lecture method and the student is encouraged to ask questions at any point during the lecture. Instructor demonstrations of procedures being taught will be provided in the classroom.
Students are responsible for completing lab assignments on their own time.

**ATTENDANCE**

- On-line students are required to contact me via email at least once per week. If no contact is made over a period of 4 weeks, the student will receive an F as a final grade.
- Face-to-Face students are required to attend class. If 4 weeks of classes are missed, the student will receive an F as a final grade.

**WITHDRAWAL POLICY**

Students are responsible for withdrawing officially if they stop attending any or all classes. Faculty no longer have the ability to withdraw a student from a class. A grade of “F” will be assigned to any student who stops attending a course but does not officially withdraw. Students are encouraged to meet with an advisor before making any changes to their schedule. Withdrawals effect Satisfactory Academic Progress and can place the student at risk for academic probation or dismissal. Students who use financial aid and who subsequently withdraw may be required to return some or all funds received. Withdrawals are accepted until the tenth week of classes of a 14-week semester or an equivalent amount of class time for shorter duration courses (refer to the Academic Calendar for the exact student-generated withdrawal date for the current semester). Students may withdraw online in accessBCC, in person at any Enrollment Center, or via their college email to enrollmentservices@bristolcc.edu. Email requests must come from the student’s BCC college email address and must include the student’s name, BCC student ID number, and course information (CRN, course and section number). Email from non-college accounts will not be accepted. If a student officially withdraws after the third week of classes, there will be no tuition or college fee refunds. For more information, see the College Withdrawal Policies and Procedures in the college catalog. Students with questions should contact Enrollment Services via any of the methods mentioned above or at 774-357-2590.

**Plagiarism Policy (Academic Honesty)**

A college community must be established on a foundation of truth and academic integrity. Bristol Community College has an obligation not only to promote these high standards of academic honesty, but also to address academic dishonesty. Academic dishonesty is demonstrated by cheating, plagiarism, and facilitating academic dishonesty.

- **Cheating** – Includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or (3) the acquisition, without permission, of tests or other academic material belonging to a member of the College faculty or staff. Cheating shall also include the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials. Taking credit for work done by another person or doing work for which another person will receive credit. Copying or purchasing other’s work or arranging for others to do work under a false name. (Student Handbook)
- **Plagiarism** – Includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials. This would also include material that is obtained from the computer. (BCC Student Handbook)
- **Facilitating Academic Dishonesty**: Students who allow their work to be used by other students or who otherwise aid others in academic dishonesty are violating academic integrity.

Read the policy online:
Disability Statement

Bristol Community College complies with federal legislation for individuals with disabilities (Section 504 of the Rehabilitation Act of 1973 and the Americans With Disabilities Act of 1990) and offers reasonable accommodations to qualified students with disabilities. It is your responsibility to notify me and the Office of Disability Services of your need for classroom accommodations. Accommodations are arranged through the Office of Disability Services/ODS, which will issue a confidential Disability Services Accommodation Form. This should be accomplished, when possible, during the first two weeks of class. If you have questions about the process, please contact ODS by calling (508) 678-2811 x2955 or stopping by B104. You may also contact ODS online at Disability Services.

**Your commitment:** For each hour in class, you should plan to put in 2 to 3 hours outside of class. You need to recognize that commitment and include it in your planning.

The course outline includes a TENATIVE schedule of homework based on previous semesters.
<table>
<thead>
<tr>
<th>Week #</th>
<th>TOPIC COVERED</th>
<th>RESOURCES / Homework</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9/9/201  Course Introductions and Overview</td>
<td></td>
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<tr>
<td></td>
<td>■ Course overview</td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ Review</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>9/16/201 Install Server &amp; 2 client Operating Systems</td>
<td>In-class Lab</td>
</tr>
<tr>
<td>3</td>
<td>9/23/201 Review last week’s lab and remaining review topics.</td>
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<tr>
<td></td>
<td>Password Recovery</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>9/30/201 Build Domain.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>10/7/201 Managing DHCP</td>
<td>Chapter 20</td>
</tr>
<tr>
<td>6</td>
<td>10/15/201 Monday 10/14 is a holiday. BCC will follow Monday’s schedule on Tuesday 10/15/2019.</td>
<td>Web Resources</td>
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<tr>
<td></td>
<td>Tuesday</td>
<td></td>
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<td></td>
<td>NAT</td>
<td></td>
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<tr>
<td>7</td>
<td>10/21/201 Powershell</td>
<td>Web Resources</td>
</tr>
<tr>
<td>8</td>
<td>10/28/201 Implementing and Managing DNS</td>
<td>Chapter 22</td>
</tr>
<tr>
<td>9</td>
<td>11/4/201 Deploying Print Services</td>
<td>Web Resources</td>
</tr>
<tr>
<td>10</td>
<td>11/11/201 Veteran’s Day – College is closed</td>
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</tr>
<tr>
<td>11</td>
<td>11/18/201 Managing &amp; Maintaining Print Services</td>
<td>Web Resources</td>
</tr>
<tr>
<td>12</td>
<td>11/25/201 Software Deploy</td>
<td>Web Resources</td>
</tr>
<tr>
<td>13</td>
<td>12/2/201 Active Directory Delegation</td>
<td>Chapter 28</td>
</tr>
<tr>
<td>14</td>
<td>12/9/201 Move DHCP Services</td>
<td>Web Resources</td>
</tr>
<tr>
<td></td>
<td>Operations Masters</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>12/16/201 Lab</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** All handouts and Power Point Presentations are available on the course website. Assignments will be generated as the course progresses. Topics covered in assignments will coincide with concepts and tasks covered in class.