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| **Email:** rizkz@linnbenton.edu | **Class Room:** MKH-105 |
| **Office:** MKH-110 | **Class Day/Time:** TH @ 10:00 am |
|  | **Office Hours:** Before or after class |

**Course Description and Objectives**:

The first of two courses in the administration of Microsoft Windows® client/server networked operating systems. The courses CS 240A and CS 240B are laboratory-intensive courses that provide hands-on experience in the planning, installation, and administration of Microsoft Windows® client/server networks. The two courses provide partial preparation for the MCSA® and MCSE® exams.

**Prerequisites:**

CIS 151 Networking Essentials, CS 140U Fundamentals of UNIX/Linux, or CS 140M Operating Systems: Microsoft, all with a minimum "C" grade.

**Required Course Materials:**

1. USB thumb drive with a minimum capacity of 4GB
2. NOTE: This course does not use a textbook.
3. Weekly material provided in the Moodle LMS (Learning Management Systems).

**Learner Outcomes:**

1. Summarize the primary Windows Server 2019 Roles, Features & Service
2. Explain, build and test Active Directory Domain Services
3. Contrast the pros and cons of the different Active Directory groups
4. Design, create and test Group Policy Objects
5. Explain, build and test VMs using Hyper-V.

**Grades:**

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| **Quizzes/Assignments/Exams** | **Weight** | |
| 9 Assignments – drop lowest assignment. | 50% | |
| Midterm Exam | 20% | |
| Class project | 30% | |
| TOTAL | 100% | |
| **Grades:**  A grade of “C” or higher is considered passing. | A: 90-100%  B: 80-89%  C: 70-79%  D: 60-69%  F: < 60% | P: >= 70%  NP: < 70% |

**Instructor and Student Responsibilities:**

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| **Instructor Responsibilities** | **Student Responsibilities** |
| I commit to starting all classes on time. | You agree to attend all classes and to comply with college code of conduct. |
| I commit to showing up to class prepared. | You agree to actively participate in class discussions and exercises. |
| I commit to balancing class time between lecture and hands-on exercises. | You agree to spend an average of 4 hours per week on readings and assignments outside of class (see Moodle for details). |
| I commit to holding published office hours. | You agree to complete all readings and course assignments on time (due on Sunday night). |
| I commit to responding to your email within 24 hours (no voice mail please). | You agree to collaborate professionally with fellow students on the class project. |
| I commit to grading assignments within 3 days (after due date). |  |
| If I'm unable to come to a class, I commit to doing my best to find a substitute instructor while keeping you up-to-date. |  |

**Academic Honesty:**

Helping, or being helped by, another student during an exam will be considered a breach of academic honesty and is grounds for receiving a zero grade and/or failing the course among other possible remedies.

**Classroom Conduct:**

1. Please silence cell phones and do not use during class.
2. Please do not bring other electronic devices to class including laptops, iPods, iPads, etc.
3. No food or drink in the classroom.
4. Please respect the learning environment of others and keep distractions to a minimum.
5. **Time management**: The ability to plan ahead, start assignments early, ask for needed help early, and submit assignments according to specifications and on time.
6. **Patience**: The ability to look calmly at a problem, analyze how to solve it, and concentrate on its solution.
7. **Skill in analytical and logical problem-solving**: A genuine liking for solving puzzles, and satisfaction in having done your best work to produce a solution.
8. **A sense of humor**: Working with computers humbles a person every day. Learn not to take it personally!

**LBCC Center for Accessibility Resources:**

Students who may need accommodations due to documented disabilities, or who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor during the first week of class. If you believe you may need accommodations, but are not yet registered with CFAR, please go to <http://linnbenton.edu/cfar> for steps on how to apply for services or call 541-917-4789.

**LBCC Comprehensive Statement of Nondiscrimination:**

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws.

**LBCC Statement of Inclusion:**

The LBCC community is enriched by diversity. Each individual has worth and makes contributions to create that diversity at the college. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill (related to Board Policy #1015).

**Basic Needs Statement:**

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Roadrunner Resource Center for support ([resources@linnbenton.edu](mailto:resources@linnbenton.edu) , or visit us on the web [www.linnbenton.edu/RRC](http://www.linnbenton.edu/RRC)  under Student Support for Current Students). Our office can help students get connected to resources to help. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to provide any resources that they may possess.

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| Week | Activity | Due |
| Week-1  Jan 9 | * Welcome, introductions, scope & set clear expectations * Week-1 Scope = TCP/IP Review + Install Windows Server. * Week-1 assignment | Jan 15  @ 11:55 pm |
| Week-2  Jan 16 | \*\*\* Monday Jan 16 is MLK Day = Holiday \*\*\*   * Week-2 Scope = Finish Windows Server installation and configuration. * Week-2 assignment | Jan 22  @ 11:55 pm |
| Week-3  Jan 23 | * Week-3 Scope = DNS (needed for Domain Controller installation) * Week-3 assignment | Jan 29  @ 11:55 pm |
| Week-4  Jan 30 | * Week-4 Scope = Active Directory (AD) Domain Controllers (DC) * Week-4 assignment | Feb 5  @ 11:55 pm |
| Week-5  Feb 6 | * Week-5 Scope = AD Users, Computers, Groups & OUs * Week-5 assignment | Feb 12  @ 11:55 pm |
| Week-6  Feb 13 | * Week-6 Scope = Complete Labs & prep for Midterm Exam * Midterm Exam on Thurs, Feb 13 @ 9:00 am (must be in class) | Feb 19  @ 11:55 pm |
| Week-7  Feb 20 | \*\*\* Monday Feb 20 is Presidents Day = Holiday \*\*\*   * Week-7 Scope = Group Policy and GPOs * Week-7 assignment | Feb 26  @ 11:55 pm |
| Week-8  Feb 27 | * Week-8 Scope = Finish Group Policy/GPOs & Storage * Week-8 assignment | Mar 5  @ 11:55 pm |
| Week-9  Mar 6 | * Week-9 Scope = File and Share Access and Print and Document Services * Week-9 assignment | Mar 12  @ 11:55 pm |
| Week-10  Mar 13 | * Week-10 Scope = Configuring VMs and Configuring VM Storage * Week-10 assignment | Mar 19  @ 11:55 pm |

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| Week | Activity | Due |
| Week-11  Mar 20 | * Team Project Presentations on Tues, Mar 21 @ 9:30 am (must be in class!) * NOTE: No Final Exam. * LBCC Final Exam Schedule <https://www.linnbenton.edu/calendars/finals-schedule.php> |  |

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