

Jackson Community College



Routing and Switching

CNS 106.73.WN2020

Winter 2020

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General Information

Course Description. Welcome to the CCNA Routing and Switching Essentials course. The goal of this course is to introduce you to fundamental networking concepts and technologies. These online course materials will assist you in developing the skills necessary to plan and implement small networks supporting a range of applications. The specific skills covered in each chapter are described at the start of each chapter.

You can use your smart phone, tablet, laptop, or desktop to access the course, participate in discussions with your instructor, view your grades, read or review text, and practice using interactive media. However, some media are complex and must be viewed on a PC, as well as Packet Tracer activities, quizzes, and exams.

Required Text Materials:

Access to www.netacad.com

Required Equipment:

None required

Methods to achieve objectives: discussion, lecture, team problem solving, homework, quizzes, examinations, and lots of hands-on lab projects.

JCC Associate Degree Outcomes (ADO's): The Board of Trustees of Jackson Community College has determined that all JCC graduates should develop or enhance certain essential skills while enrolled in the college. These ADO's are described below in the Course Objectives for CNS106.

Course Objectives:

Explain fundamental Microsoft networking concepts (ADO 7)

Troubleshoot simple to moderate Microsoft technologies (ADO 7)

Work with classmates to build and maintain two types of Microsoft networks (ADO 7)

Use networking tools monitor and analyze the status of a Microsoft network (ADO 7)

Use the Internet to research Microsoft networking information (ADO 7)

Review relevant technical Microsoft networking white papers (ADO 7)

Cell Phones and Pagers: You are requested to make sure that any cell phones or pagers you bring to class are turned to the “vibrate” mode or turned off entirely.

Project Success Day: Each semester for one day, JCC cancels classes and encourages students to attend Project Success Day. This is a special day of workshops and seminars designed to enhance your ability to learn. You are strongly encouraged to attend.

Center for Student Success: Tutors (plus additional services for academic success) can be accessed by calling 796-8415 or by stopping by the Center for Student Success, Walker Hall,

Room 123. Students requiring special assistance (including those affected by the Americans with Disabilities Act) should contact the Center for Student Success. This is the first step in acquiring the appropriate accommodation to facilitate your learning.

COURSE INFORMATION

Office Hours:

Additional hours by appointment

Class Meeting: Tuesday 9-11 1 – 2

Thursday 9-11 1 – 2

Attendance: Attendance is always required for the purpose of interactive learning and group work opportunities. More than two absences will lower your total points.

Academic Honesty: Be careful not to plagiarize. Plagiarism is defined in The American Heritage Dictionary as “...using another’s ideas as one’s own...” All assignments related to this class are to be your own work. The JCC Catalog, defines academic honesty as “...the ethical behavior that includes (students’) producing their own work and not representing others’ work as their own...” The consequences of academic dishonesty include failure for the assignment and/or failure in the course overall.

Homework: Homework will consist primarily of supplemental reading needed to accomplish the classroom lab assignments.

Teamwork: At times you will be expected to work as part of a team during your hands-on labs. The skills and knowledge you develop as a part of this course will help provide the foundation for you to configure and troubleshoot networking problems as they arise.

Hands-on labs: You will create, configure, secure and troubleshoot multiple network infrastructures.

Examinations: There will be a final exam. If you have an emergency and will miss the exam date, contact the instructor immediately.

Participation: Your involvement in class discussions, participation with your team members during the hands-on labs and consistent attendance will be reflected in your participation score.

GRADING POLICY

Requirements:

Hands-on labs 250

Assignments 250

Final exam 500

Total Points Available 1000

Grading Scale:

4.0940 - 1000

3.5880 - 939

3.0820 - 879

2.5760 – 819

2.0700 - 759

1.5640 - 699

1.0580 – 639

Note: This syllabus is not a contract: it is a plan for the course. Each course and each group of students is unique. We may do more or less work than is outlined above. Total points in the course will be altered to reflect the dynamics of your and our class.