

**SADDLEBACK COLLEGE  
BUSINESS SCIENCE DIVISION  
COURSE SYLLABUS**

**CIM-295 INTRO TO CISCO NETWORKING TECHNOLOGIES (Online)**

**Instructor:** Steve J. Korper

**E-Mail:** skorper@saddleback.edu

**Office:** BGS-221

**Cell:** (949) 831-7984 7:00AM-11:00PM

**Office Hours:** 10:00PM-11:00PM M-F Via E-mail

**01/09/12 through 05/17/12**

**Semester:** Spring 2012

**Ticket No:** 22960

**Room:** Internet

<https://saddleback.blackboard.com/>

**COURSE DESCRIPTION:**

CCNA Basics presents important networking fundamentals using the Open Systems Interconnect (OSI) seven-layer model concepts, terminology and technologies, networking protocols, and wide area networks (WAN) strategies.

**COURSE OBJECTIVES:**

Upon completion of this course, the student will be able to:

1. Describe computer hardware basics, binary and hexadecimal number systems, basic networking terminology, and internetworking concepts.
2. Identify the major components of a network system including clients and servers, network interface cards, internetworking devices, media, and topologies.
3. Describe the functions, operations, and primary components of local area networks (LANs), metropolitan area networks (MANs), wide area networks (WANs), virtual private networks (VPNs), Intranets, Extranets, storage area networks, and content delivery networks (CDNs).
4. Define the major network access methods and outline the key features of each.
5. Describe the functions and operations of switching technologies.
6. Explain the purposes of networking addresses, routing protocols, and routed protocols.
7. Describe the functions, operations, and primary components of WAN technologies.
8. Describe the function, operation, and primary components required to provide remote access services.
9. Describe the functions, operations, and primary components of wireless technologies.
10. Describe the functions, operations, and primary components of optical networking.
11. Explain the purposes and techniques for voice, data, and video convergence.

**STUDENT RESOURCES:**

**Text:** 640-802 "CCNA"; LabSim; ISBN# 978-1-935080-00-8;

<http://www.testout.com/home/purchasing/student-purchasing> Log into Blackboard for your "Promotion Code" to purchase this for \$89.00

### **ASSIGNMENTS AND TESTS:**

Reading assignments are required each week. There will be a total of seventy-four (74) exams. All testing will consist of a combination of multiple choice, fill-in, true/false, scenario, and short-answer.

### **POLICIES AND PROCEDURES:**

Final grades will be determined on an exact percentage scale; there will be no deviation from this scale.

90-100% =A 100%-Exams

80-89% =B

70-79% =C

60-69% =D

Below 60% =F

Final grade percentage is determined through an average of exams. Students having the course CREDIT/NO CREDIT must receive 70% or above for CREDIT. It is the STUDENTS RESPONSIBILITY to officially withdraw (DROP) from the class. Students who no longer attend class but do not withdraw will receive a failing grade (F) at semester's end.

*This course meets the requirements set forth in the accessibility checklist and universal design grid provided by Special Services. The Web pages, video presentations, textbooks and class materials in this course are accessible to students with disabilities.*