GAVILAN COLLEGE
5055 Santa Teresa Blvd
Gilroy, CA 95020

Course Outline

Course: CSIS 177 Division: 50 Also Listed As:

Term Effective: 201170, INACTIVE COURSE

Short Title: OS/NETWORK LAB

Full Title: Operating System, Networking Lab

Contact Hours/Week	Units	Number of Weeks	Total Contact Hours
Lecture: 0	1	17.34	Lecture: 0
Lab: 3			Lab: 52.02
Other: 0			Other: 0
Total: 3			Total: 52.02

Credit Status: D - Credit - Degree Applicable

Grading Modes: P - Pass/No Pass

Repeatability: Repeatability: R - Course may be repeated
Maximum of 3 times

Schedule Types: 04 - Laboratory/Studio/Activity

Course Description:

This course provides students access to the Networking OS/Lab. Students have the opportunity to get hands-on access to routers and switches to help them prepare for Cisco certification exams or the more advanced CCNP courses. The course is self-paced, individualized instruction. Students from the Linux/UNIX classes and the Operating System class will also have the opportunity to practice on the software used for their classes. This is a pass/no pass course. May be repeated three times for credit. Students repeating this course will learn new and advanced features.

ARTICULATION and CERTIFICATE INFORMATION
Associate Degree:
CSU GE:
IGETC:
CSU TRANSFER:
Transferable CSU, effective 200170
UC TRANSFER:
Not Transferable

PREREQUISITES:

COREQUISITES:

STUDENT LEARNING OUTCOMES:
1. Students will learn to work independently on on projects related to their operating system and networking classes.
2. Students practice researching possible solutions to problems and then implementing their solutions using the lab equipment.

TOPICS AND SCOPE:
Inactive Course: 04/25/2011
WEEK HOURS CONTENT:
1-4 12 Networking students review basic router configuration
Operating system students practice installing and configuring different versions of the operating system.
5-8 12 Networking students configure multirouter networks. These more complex configurations allow them to study the effects of routing loops and techniques to prevent routing loops. Students study the effects of different router convergence times on a larger network.
9-12 12 Operating system students practice installing additional software, patches and bug fixes downloaded from the internet.
Networking students configure routers to use ISDN. They configure a network that stimulates various other WAN connections via POTS and analog modem.
12-16 12 Operating system students investigate making their systems secure using various tools available from manufacturer's websites and other online resources.
Networking students do more advanced labs of their choice from Cisco's CCNA and CCNP lab manuals or Cisco's website.
17-18 6 Operating system students install features of their choice, using resources available on the internet.
Final presentations and reports. Students demonstrate and/or write a report detailing what they have learned.
ASSIGNMENTS:
See content section of course outline.

METHODS OF INSTRUCTION:
Self-paced learning, online research, lab work, one-on-one or small group instruction.
METHODS OF EVALUATION:
The types of writing assignments required:

Lab reports
The problem-solving assignments required:
Lab reports
The types of skill demonstrations required:
Class performance
Performance exams
The types of objective examinations used in the course:
None
Other category:
None
The basis for assigning students grades in the course:
Writing assignments: 20% - 40%
Problem-solving demonstrations: 20% - 40%
Skill demonstrations: 30% - 70%
Objective examinations: 0% - 0%
Other methods of evaluation: 0% - 0%

REPRESENTATIVE TEXTBOOKS:
No additional text required.

SUPPLEMENTAL DATA:
Basic Skills: N
Classification: I
Noncredit Category: Y
Cooperative Education:
Program Status: 2 Stand-alone
Special Class Status: N
CAN:
CAN Sequence:
CSU Crosswalk Course Department: CSIS
CSU Crosswalk Course Number: 177
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: D
Maximum Hours:
Minimum Hours:
Course Control Number: CCC000435829
Sports/Physical Education Course: N
Taxonomy of Program: 070100