MEETING OF THE ACADEMIC SENATE EXECUTIVE COMMITTEE
Tuesday, November 5, 2002
VU220, 3:00 to 5:00pm

I. Minutes:
Approval of minutes for the October 15, 2002 Executive Committee meeting (pp.2-3).

II. Communication(s) and Announcement(s):
Request for campus recommendations for honorary doctoral degrees: (pp. 4-6).

III. Reports:
A. Academic Senate Chair:
B. President's Office:
C. Provost's Office:
D. Statewide Senators:
E. CFA Campus President:
F. ASI Representatives:
G. Other:

IV. Consent Agenda:

V. Business Item(s):
A. Universitywide committee vacancy for 2002-2003: (p. 7).
B. Appointment of internal reviewer (Larry Gay) for Graphic Communication Department program review.
C. Curriculum proposals for BUS 396, 397, 398: Hannings, Chair of the Curriculum Committee, (pp. 8-26).
D. Approval of Academic Calendar for 2004-05: Breitenbach. Chair of the Instruction Committee, (pp. 27-33).

VI. Discussion Item(s):

VD. Adjournment:
Preparatory: The meeting was opened at 3:14 p.m.

I. Minutes: The minutes for the Executive Committee meeting of September 24, 2002 were approved without change.

II. Communication(s) and Announcement(s): None.

III. Reports:
   A. Academic Senate Chair: (Menon) Myron Hood is now back home after successful cardiac surgery and is recovering well. The Academic Senate has asked Reg Gooden to be the substitute Statewide Senator until Hood is able to resume his duties. The campus senate chairs met last week with a main agenda item being a workshop on the budget process with some examples of campus level activity from CSU Fresno and CSU Long Beach. Vice Chancellor Spence has urged us to limit the program reviews, to focus on key objectives, and to avoid the unnecessary "large bulky reports" that are sent to his office by many campuses. The process of electing a faculty trustee when Harold Goldwhite completes his term will be discussed as business item D.
   B. President's Office: (Howard-Greene) President Baker's convocation speech is being edited and will be an Outlook piece. On freedom of speech - an incident that occurred during a spring quarter career fair generated some confusion in regards to campus policy on free speech then came up to the Senate for action and prompted the creation of an ad hoc group. The ad hoc group was formed and met during the summer to look at the existing policy, which was created during the early 1980s by faculty, administrators, and staff who then created a new draft that is almost ready for circulation and comments. In general, the policy emphasizes that the University has a special responsibility to foster and sustain the free expression of values and ideas, to encourage and facilitate the free exchange of views, and to see the orderly operations of the educational process. The University will provide guidance for carrying out free expression on campus and will designate areas as "free speech areas" such as Dexter Lawn, UU Plaza. The policy will encourage the notification of those involved and use of scheduling protocol to avoid safety issues. The next step for the ad hoc group is to submit the policy to the CAP committee, publish it for more review by campus constituents, and then submit to the president for legal review and ultimate approval.
   C. Provost Office: (Zingg) Cal Poly is over enrolled this year. The president feels strongly about rolling back the enrollment targets for next year and will be going forward with a reduced enrollment proposal for next year. There will be no golden handshake available to the CSu.
   D. Statewide Senators: None.
   E. CFA Campus President: None.
   F. ASI Representative: (Schrupp) ASI is looking for volunteers to assist during the "Rock the Vote" event in which they have set a goal of getting 500 students to register to vote.
   G. Other: None.

IV. Consent Agenda: None.

V. Business Items:
   A. Academic Senate committee vacancies for 2002-2004: The following appointment was made:

   1. [List of appointments]

   B. [Further business items if any]
B. **Universitywide committee vacancies for 2002-2003:** No appointments were made

C. **Selection of internal reviewers for Graphic Communication Department and Music Department accreditation/program review:** Goro Kato was elected as the Academic Senate nominee to replace George Lewis.

D. **Nomination for Faculty Trustee 2003-2004:** There is a call for nominations to replace Harold Goldwhite who will not be returning after completing his current term. Successful nominees finally appointed by the Governor are typically those who are very active in Statewide Senate and well known with a tradition of CSU Statewide Senate Chairs succeeding to this role. At this time, we can put forward a campus nomination or support the Statewide Vice Chair Bob Cherny. The faculty trustee plays a very important role as the voice of the CSU-wide faculty constituency.

VI. Discussion Item (s):

A. **Pre-tax parking fee payment.** Since Unit 3 is the only group without the opportunity to pay for parking as a pre-tax item, it is suggested that Cal Poly propose a resolution similar to the one approved by CSU San Bernardino urging for an agreement to allow Unit 3 to pay for parking as a pre-tax item. Provost Zingg suggested that instead of any resolution, a simple note from the Academic Senate Faculty Affairs Committee and CFA be sent to President Baker with this request. Foroohar agreed to submit the request.

B. **Academic Senate's role in responding to President baker's call to action re student success, diversity, and civility.** After some discussion on the issues of student success, diversity, and civility it was decided to have all suggestions and recommendations from members of the Executive Committee be sent to Unny Menon with a follow up discussion on those submittals if any, at a later date.

VII. Adjournment: meeting was adjourned at 5 p.m.

Submitted by

[Gladys Gregory]
Academic Senate
To: Paul Zingg, Bill Boldt, Cornel Morton, Larry Kelley, Allen Haile, Phil Bailey, Harry Hellenbrand, Peter Lee, Terri Swartz, David Wehner, Richard Zweifel, Hiram Davis, Bonnie Konopak, Susan Opava, Dennis Parks, UnnyMenon

Date: October 21, 2002

From: Daniel Howard-Greene
Executive Assistant to the President

Subject: Recommendations for Honorary Degrees, 2003

Attached is the annual request for campus recommendations for honorary doctoral degrees awarded by the Board of Trustees of the California State University. If you have any recommendations, please share it with this office before December 13, 2002.

Attachment
The California State University

Memorandum

To: Presidents

From: David S. Spence
Executive Vice Chancellor
and Chief Academic Officer

Date: October 15, 2002

Subject: Recommendations for Honorary Degrees, 2003

This memorandum is to serve as the annual call for campus recommendations for the award of honorary doctoral degrees by the Board of Trustees of the California State University. Enclosed are a copy of the current guidelines and a list of previous recipients of CSU honorary degrees.

The procedures allow for two nominations and the award of two honorary degrees per campus. Please submit your campus recommendations, along with supporting information and documentation (35 copies) to Dr. Jolayne Service, in time to arrive no later than December 16, 2002, so that the Trustee Subcommittee on Honorary Degrees may review the materials prior to the meeting of the Board of Trustees scheduled for January 28-29, 2003. This decision date is intended to facilitate the making of arrangements for Spring commencements. Events other than commencement exercises or academic convocations may be appropriate occasions for the conferral of honorary degrees only in extraordinary circumstances; please specify in your letter of nomination the event at which the degree is to be conferred.

It is particularly important that the nomination materials set forth and document solid, compelling arguments for the award of an honorary doctorate by the California State University. A current curriculum vitae or comparably complete biographical information on each nominee should be included. The Board has suggested that letters of endorsement for particular nominees not be solicited. That activity could place the Board, the system, and the campus in a difficult position if the Board does not endorse the nomination. The campus is free to collect letters of congratulation, if it wishes, after the Board has approved a nomination and the nominee has accepted.

If a nomination would require an exception to the guidelines, please contact the Chancellor before submitting the nomination.

The current procedures make explicit the requirement for consultation with the Executive Committee of your campus Academic Senate regarding the composition of the campus review committee. In your nomination letter, please specify the membership and selection process for the campus review committee.

The campus may choose whether the degree is to be awarded in the name of the California State University or in the names of the California State University and the campus. It would be helpful if, in the nomination materials, the campus specified its preference.
Please have all 35 copies three-hole punched. All nominations will be assembled in binders in the Chancellor's Office, so it is helpful for the campus to refrain from putting the copies in binders or folders.

We all recognize the need for the strictest confidence in dealing with campus nominations; please be assured of our full cooperation in maintaining the necessary confidences. Should you have any questions, please call me or Dr. Service (562-951-4723).

Attachments

cc: Chair Farar
    Trustee Achtenberg
    Chancellor Reed
    Trustees' Secretariat
UNIVERSITY-WIDE COMMITTEES
Vacancies for 2002-2003

ASI Facilities and Operations Committee
(1 Representative/1 Vacancy)
CURRICULUM COMMITTEE RECOMMENDATION REGARDING
BUS 396, 397, 398--NETWORK COMPONENTS I, II, III

Orfalea College of Business

Proposal:
Three new courses: BUS 396, 397, 398--Network Components I, II, and III

Curriculum Committee Opinion:
These three courses as described are essentially the CISCO Academy, a training program leading to a certification from CISCO. As described these courses are similar to courses offered at high schools, community colleges, technical institutes like DeVry University, university extension, and as online courses. Other CSU campuses offer this training through Extended Education.

Curriculum Committee Recommendation:
The Curriculum Committee recommends DISAPPROVAL of these three courses for the reasons stated above.
Course Description

use this for Proposing New Courses or GE/USCP Courses

Department: MGT
College: COB
Proposer: James A. Sena
E-mail: jsena@calpoly.edu
Date: 01/07/02

Experimental: 0  Subtitle: 0  Begin Date: Fall 2002

I. Summary Description

Course Prefix, Number, Title: BUS 398
Network Components III

Description (substantive, but no more than 40 words of content description)

Provides design and network management direction for both LANs and WANs. Examines advanced routing protocols and considers security issues (Access Lists). Discusses WAN encapsulation methods (PPP, ISDN, and Frame Relay)

Total Course Units: 4
Number of units per mode of instruction:

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<tr>
<th>Lec</th>
<th>Lab</th>
<th>Act</th>
<th>Sem</th>
<th>Supv</th>
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</table>

If course has fewer than 4 units and is not an exception, provide a compelling reason.

Grading Type: Regular X  Credit/NC 0

Distance Education (DE): No X  Yes 0  If yes, % taught via DE. (see Draft DE Policy, under review)

General Education (GE): No X  Yes 0  If yes, GE Area:

United States Cultural Pluralism (USCP): No X  Yes 0  If yes, refer to USCP criteria.

Service Learning (SL): Proposed SL course? No X  Yes 0  (Criteria under construction.)

Prerequisite/Co-requisites: (note: 300-400 level courses must have prerequisite) Prerequisite BUS 397
II. Explanation

A. Proposed for Major, Minor, Support, Certificate or Credential Program(s)?

Major, required (if yes, specify): No ☒ Yes ☐

major, elective (if yes, specify): No ☒ Yes ☐

concentration (if yes, specify): No ☒ Yes ☐

specialization (if yes, specify): No ☒ Yes ☐

Minor (if yes, specify): No ☒ Yes ☐

Support for other programs (if yes, specify): No ☒ Yes ☐

Certificate programs (if yes, specify): No ☒ Yes ☐

Credential programs (if yes, specify): No ☒ Yes ☐

B. Need

Briefly explain the need for this new course, and describe how it fits into the programs checked above and their missions and strategic plans.

Expectation of firms utilizing computer-based technology now expects that graduating MIS students will be well versed in network systems as well as other areas in the MIS field. The mission of the MIS Concentration is to provide students with a comprehensive set of MIS courses that allow our students to immediately make an impact at their place of employment. This course has been taught for the past two years under the BUS 498 Directed Topics in MIS rubric.
Prerequisites

Briefly explain the reason for any prerequisites or co-requisites for the course.

This course is intended as part of a series of Network-based elective MIS classes designed for the MIS Concentration. It is assumed that students will be enrolled in the MIS concentration and will have completed the CSC series (currently CSC 101 and 102) and the two MIS preparatory classes (BUS 391 and BUS 390). This is the third of a three-part series of Cisco Network Component Classes. Prerequisites BUS 396 and BUS 397.

III. Syllabus

Note

- Excerpts from materials already prepared for accrediting agencies may be used in this section.
- It is understood that the syllabus will be updated and modified as needed.
- For additional information if course is proposed for GE, see www.calpoly.edu/-acadprog/ged/curriculum/gesyllabus.htm
- For additional information if course is proposed for USCP, see www.calpoly.edu/-acadprog/curriculum/culturalpluralism.html

For courses with multiple sections, faculty and/or Subtopics, describe the consistent principles or key elements that will inform all sections regardless of the subtopic or faculty who will teach the course by providing a representative sample of a syllabus.

This course is the last of a three-course sequence of Network classes dealing with internetworking technologies.

This course leads the students through the necessary topics for local area networks [LANs] and wide area networks [WANs] to enable them to design and establish networks in a variety of networking environments. Topics include:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Topic Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>LAN Switching and Virtual LANs</td>
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<tr>
<td>2</td>
<td>LAN Design</td>
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<td>3</td>
<td>Interior Gateway Routing protocol [IGRP]</td>
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<td>4</td>
<td>Access Control Lists</td>
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<td>5</td>
<td>NovellIPX</td>
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<td>6</td>
<td>WANs and WAN Design</td>
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<td>7</td>
<td>Point-to-Point Protocols</td>
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<td>8</td>
<td>Integrated Services Digital Networks [ISDN]</td>
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<td>9</td>
<td>Frame Relay</td>
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<td>10</td>
<td>Skills Test</td>
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</table>

A Learning Outcomes

What should students know or be able to do after taking this course?

Students should be educated about network technologies and be aided in understanding how to design and build networks and to configure routers and switches. In this specific course the student should acquire knowledge and practical experience with techniques for LAN and WAN design. In addition students should be well versed in basic security issues and techniques, WAN encapsulation methods and modes of WAN communication.

S Course Content

Provide a week-by-week outline (readings, discussion topics, experiments, activities, assignments, etc.)

<table>
<thead>
<tr>
<th>Week</th>
<th>Day</th>
<th>Topic</th>
<th>Reference</th>
<th>Test</th>
<th>Assignment(s)</th>
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<tbody>
<tr>
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<td>1</td>
<td>Orientation and Review</td>
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<td>Router subnets review - Overview</td>
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<td>2</td>
<td>LAN Switching</td>
<td>Topic 1</td>
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<td>Switch management console - Overview</td>
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<td>1</td>
<td>Virtual LANs</td>
<td>Topic 1</td>
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<td>Creating VLANs - Overview</td>
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<td>LAN Design</td>
<td>Topic 2</td>
<td>Topic 1</td>
<td>Switched LAN design - Overview</td>
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<td>Topic 1</td>
<td>Routed &amp; routing protocols - Overview</td>
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<td>5 1</td>
<td>Review of LAN Topics</td>
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<td>Mid Term Exam Mid Term Exam</td>
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<td>6 1</td>
<td>WANs Topic 6</td>
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<td>Point-to-Point Protocol Topic 7</td>
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<td>Final Exam</td>
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**Assessment Methodologies**
List and describe the assessment methodologies that will be used to determine the extent to which students have achieved the learning outcomes listed in Section III.

Students are assessed on four elements: Topic and Final Exam testing; Skills Tests; Journals; Assignments, and Exercises.

**IV. Consultation**

**A**
Attach signed concurrence memos from any other departments that will be affected by the new course or its prerequisites. The only course that corresponds in any with the material covered in these classes is ePE 464 taught in Computer Engineering. We share some facilities with them but there is no competition between that course and those defined for the Network components class. We have already been teaching these courses under the BUS 498 Directed Studies in MIS for the past two years with complete cognizance of the Computer Engineering faculty (Dr. Hugh Smith and Dr. Joe Grimes).

**B**
List all courses that already cover any significant part of the planned subject matter of this course either within the department or from other departments. Explain why duplication of subject matter is necessary. Attach signed concurrence memos from any other departments with which there will be significant duplication.

CPE 464 - different audience - computer network engineers - our courses are structured and designed for MIS professionals.

**V. Resources** (in consultation with the College Dean/Associate Dean)

**A**
Explain the impact of this new course on allocation of current/new resources.
Equipment (List new equipment needed, and amount and source of funds.)
At the beginning of the Fall 1999 quarter we were given an equipment grant by Cisco of five 2500 series routers and a 2900 series Switch - along with connecting cables. The MIS Area was given ten additional 2500 series routers from ITS. We then purchased a number of hubs, transceivers, Db9 and Ethernet cables and other connectors.

This past fall ((2001) we purchased a special Network kit from Fluke Inc. consisting of multimeters, cable analyzers and other testing equipment. All of the above equipment is placed in the COB Network facility located in 03-305.

The MIS area and Computer engineering share access and common facilities in the Advanced Network facility (20-120). This is a million dollar facility continuously refreshed by Cisco containing 35 router, switch and voice-over-ip stations along with advanced routers, wiring and firewall devices. Much of this equipment is not fully utilized by the MIS area.

Given the above abundance of equipment the MIS area will not require any additional equipment resources to continue to run these courses.

Supplies (List new supplies needed, who will need to purchase the supplies (i.e., students, department), and amount and source of funds.)
None

Facilities (List type of teaching environment needed.)
A classroom for instruction containing workstations for each student - we have three to four such classrooms in the COB 3rd floor ITS facility.

A network facility consisting of five routers and one switch along with at least five workstations serving as consoles and workstations - we have three sets of this configuration in the COB Network facility.

Faculty (List faculty members who will initially teach the course, and explain how the time needed for them to teach this course will be made available.)
Dr. Jim Sena will be the primary instructor for these classes. (Several of the MIS faculty (Dr. Ken Griggs and Dr. Dennis Williams) have indicated that they are interested in teaching these courses.

Library or Information Technology (List new periodicals required for initiation and conduct of the course, and number of new volumes of books required; estimate the costs involved. List computer facilities and software needed, and amount and source of funds.)
Through donation and purchases we have a complete library of Networking textbooks. We also have a comprehensive set of specialized testing materials - texts and CDs designed to help the students prepare to take various Network certification exams (if they wish to take such certification independently).

B For Department and College Planning Purposes:

Estimated number of students in one section of this course? 37

Number of sections offered: 1 to 2 each quarter: (three course-three quarter sequence) each year: 1 to 2 per year

VI. Approval Signatures

Department Head/Chair:

College Curriculum Chair:
College Dean: 

Signature is the Dean's guarantee that he will provide any additional resources needed to support this course.

Vice Provost for Academic Programs:

For questions and concerns contact Mary Whiteford at 756-2246

Last modified November 29, 2001
Course Description

use this for Proposing New Courses or GE/USCP Courses

Note: However, informai

Department: MGT College: COB
Proposer: James A. Sena E-mail: jsena@calpoly.edu Date: 01/07/02

Experimental: 0 Subtitle: 0 Begin Date: Fall 2002

Summary Description

1. Course Prefix, Number, Title: BUS 396
   Network Components I

2. Description (substantive, but no more than 40 words of content description)
   Provides an overview and details on the Open Systems Interconnect [OSI] Model. Discusses electronics and media related to network connectivity. Introduces Local Area Networks [LANs] and discusses network design and documentation considerations.

3. Total Course Units: 4 Number of units per mode of instruction:
   LecX Lab Act Sem Supv

4. Grading Type: Regular ☑ CrediUNC 0

5. Distance Education (DE): No ☑ Yes 0 If yes, % taught via DE. (see Draft DE Policy, under review)

6. General Education (GE): No ☑ Yes 0 If yes, GE Area:

7. United States Cultural Pluralism (USCP): No ☑ Yes 0 If yes, refer to USCP criteria.

8. Service Learning (SL): Proposed SL course? No ☑ Yes 0 (Criteria under construction.)

Prerequisite/Co-requisites: (note: 300-400 level courses must have prerequisite) Prerequisite BUS 391 Co-requisite BUS 390 or consent of instructor
Crosslisted Course: No Yes 0 If yes, indicate other course prefix and number:

Repeatable? Is the course repeatable for multiple credit? No Yes 0 If yes, maximum # units:

Is the course repeatable in the same term? No Yes 0

Variable Course Content (Subtopics with Different Titles): No Yes 0

Replacement Course: (meets prior course requirement & repeats) No Yes 0 If yes, indicate prior course prefix, number, title and units:

Course Classification Number(s) C/S#: C-4

II. Explanation

A Proposed for Major, Minor, Support, Certificate or Credential Program(s)?

Major, required (if yes, specify): No Yes 0

major, elective (if yes, specify): No Yes 0

concentration (if yes, specify): 0 Yes X

specialization (if yes, specify): No Yes 0

Minor (if yes, specify): No Yes 0

Support for other programs (if yes, specify): No Yes 0

Certificate programs (if yes, specify): No Yes 0

Credential programs (if yes, specify): No Yes 0

B Need
Briefly explain the need for this new course, and describe how it fits into the programs checked above and their missions and strategic plans.

Expectation of firms utilizing computer-based technology now expects that graduating MIS students will be well versed in Network systems as well as other areas in the MIS field. The mission of the MIS Concentration is to provide students with a comprehensive set of MIS courses that allow our students to immediately make an impact at their place of employment. This course has been taught for the past two years under the BUS 498 Directed Topics in MIS rubric.
Prerequisites
Briefly explain the reason for any prerequisites or co-requisites for the course.
This Course is intended as part of a series of Network-based elective MIS classes designed for the MIS Concentration.

- It is assumed that students will be enrolled in the MIS concentration and will have completed the CSC series (currently CSC 101 and 102) and the two MIS preparatory classes (BUS 391 and BUS 390).

Syllabus

• Excerpts from materials already prepared for accrediting agencies may be used in this section
• It is understood that the syllabus will be updated and modified as needed.
• For additional information if course is proposed for GE, see www.calpoly.edu/-acadprog/ged/curcycle/gesyllabus.htm
• For additional information if course is proposed for USCP, see www.calpoly.edu/-acadprog/curriculum/cultural_pluralism.html

For courses with multiple sections, faculty and/or subtopics, describe the consistent principles or key elements that will inform all sections regardless of the subtopic or faculty who will teach the course by providing a representative sample of a syllabus.

This course is the first of a three course sequence of Network classes dealing with internetworking technologies.

This course introduces the student to preliminary concepts and lays the groundwork for internetwork operation and design. Specifically the course treats the OSI (Open Systems Interconnect Model) in depth. This model provides the vocabulary and terminology for the protocols, troubleshooting and network design.

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<thead>
<tr>
<th>Topic</th>
<th>Topic Description</th>
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<tbody>
<tr>
<td>1</td>
<td>The OSI Model</td>
</tr>
<tr>
<td>2</td>
<td>Local Area Networks [LANs]</td>
</tr>
<tr>
<td>3</td>
<td>Layer 1 - Electronics and Signals, Media, Connections and Collisions</td>
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<td>4</td>
<td>Layer 2 - Concepts and Technologies</td>
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<tr>
<td>5</td>
<td>Design and Documentation - Structured Cabling Project</td>
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<td>6</td>
<td>Layer 3 - Routing, Addressing and Protocols</td>
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<td>7</td>
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<td>Layer 6 - Presentation</td>
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<td>10</td>
<td>Layer 7 - Application</td>
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Learning Outcomes
What should students know or be able to do after taking this course?
Students should be educated about network technologies and be aided in understanding how to design and build networks and to configure routers and switches. In this specific course the student should acquire knowledge and practical experience with the design, configuration and maintenance of local area networks (LANs). Concepts covered enable the student to develop practical experience in skills related to cabling, routing, IP addressing routing Protocols and network troubleshooting.

Course Content
Provide a week-by-week outline (readings, discussion topics, experiments, activities, assignments, etc.)

<table>
<thead>
<tr>
<th>Week</th>
<th>Day</th>
<th>Topic</th>
<th>Reference</th>
<th>Test</th>
<th>Assignment(s)</th>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Orientation</td>
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</tbody>
</table>
Assessment Methodologies
List and describe the assessment methodologies that will be used to determine the extent to which students have achieved the learning outcomes listed in Section III.
Students are assessed on four elements: Topics and Final Exam testing; Skills Tests; Journals; and Assignments.

IV. Consultation

A Attach signed concurrence memos from any other departments that will be affected by the new course or its prerequisites.
The only course that corresponds in any way with the material covered in these classes is CPE 464 taught in Computer Engineering. We share some facilities with them but there is no competition between that course and those defined for the Network components classes. We have already been teaching these courses under the BUS 498 Directed Studies in MIS for the past two years with complete cognizance of the Computer Engineering faculty (Dr. Hugh Smith and Dr. Joe Grimes).

B List all courses that already cover any significant part of the planned subject matter of this course either within the department or from other departments. Explain why duplication of subject matter is necessary. Attach signed concurrence memos from any other departments with which there will be significant duplication.
CPE 464 - different audience - computer network engineers - our courses are structured and designed for MIS professionals.

V. Resources (in consultation with the College Dean/Associate Dean)

Explain the impact of this new course on allocation of current/new resources.

Equipment (List new equipment needed, and amount and source of funds.)
At the beginning of the Fall 1999 quarter we were given an equipment grant by Cisco of five 2500 series
At the beginning of the Fall 1999 quarter we were given an equipment grant by Cisco of five 2500 series routers and a 2900 series Switch - along with connecting cables. The MIS Area was given ten additional 2500 series routers from ITS. We then purchased a number of hubs, transceivers, Db9 and Ethernet cables and other connectors.

This past fall (2001) we purchased a special Network kit from Fluke Inc. consisting of multimeters, cable analyzers and other testing equipment. All of the above equipment is placed in the COB Network room located in 03-305.

The MIS area and Computer engineering share access and common facilities in the Advanced Network facility (20-120). This is a million dollar facility continuously refreshed by Cisco containing 35 router, switch and voice-over-ip stations along with advanced routers, wiring and firewall devices. Much of this equipment is not fully utilized by the MIS area.

Given the above abundance of equipment the MIS area will not require any additional equipment resources to continue to run these courses.

**Supplies** (List new supplies needed, who will need to purchase the supplies (i.e., students, department), and amount and source of funds.)

None

**Facilities** (List type of teaching environment needed.)

A classroom for instruction containing workstations for each student - we have three to four such classrooms in the COB 3rd floor ITS facility.

A network facility consisting of five routers and one switch along with at least five workstations serving as consoles and workstations - we have three sets of this configuration in the COB Network facility.

**Faculty** (List faculty members who will initially teach the course, and explain how the time needed for them to teach this course will be made available.)

Dr. Jim Sena will be the primary instructor for these classes. (Several of the MIS faculty (Dr. Ken Griggs and Dr. Dennis Williams) have indicated that they are interested in teaching these courses.

**Library or Information Technology** (List new periodicals required for initiation and conduct of the course, and number of new volumes of books required; estimate the costs involved. List computer facilities and software needed, and amount and source of funds.)

Through donation and purchases we have a complete library of Networking textbooks. We also have a comprehensive set of specialized testing materials - texts and CDs designed to help the students prepare to take various Network certification exams (if they wish to take such certification independently).

**For Department and College Planning Purposes:**

Estimated number of students in one section of this course? 37

r of sections offered: 1 to 2

each quarter: (three course - three quarter sequence)

each year: 1 to 2 per year

**VI. Approval Signatures**

Department Head/Chair:

College Curriculum Chair:

College Dean:
# Course Description

**Use this for Proposing New Courses or GE/USCP Courses**

<table>
<thead>
<tr>
<th>Department: MGT</th>
<th>College: COB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposer: James A. Sena</td>
<td>E-mail: <a href="mailto:jsena@calpoly.edu">jsena@calpoly.edu</a></td>
</tr>
</tbody>
</table>

### Experimental: 0 | Subtitle: 0 | Begin Date: Fall 2002

## Summary Description

1. **Course Prefix, Number, Title:** BUS 397
   - **Network Components II**

2. **Description** *(substantive, but no more than 40 words of content description)*
   - Provides in-depth direction for the typical Network IOS router command-line interface. Discusses router and switch components and configuration, IP Addressing, routing and routed protocols.

3. **Total Course Units:** 4
   - **Number of units per mode of instruction:**
     - LecX |
     - Lab |
     - Act |
     - Sem |
     - Supv |
   - If course has fewer than 4 units and is not an exception, provide a compelling reason.

4. **Grading Type:** Regular | CrediUNC 0

5. **Distance Education (DE):** No | Yes 0 | If yes, % taught via DE. (see Draft DE Policy, under review)

6. **General Education (GE):** No | Yes 0 | If yes, GE Area:

7. **United States Cultural Pluralism (USCP):** No | Yes 0 | If yes, refer to USCP criteria.

8. **Service Learning (SL):** Proposed SL course? | No | Yes 0 | (Criteria under construction.)

9. **Prerequisite/Co-requisites:** *(note: 300-400 level courses must have prerequisite)* Prerequisite BUS 396
Crosslisted Course: No ☑ Yes 0 If yes, indicate other course prefix and number:

Repeatability?
- Is the course repeatable for multiple credit? No ☑ Yes 0 If yes, maximum □ units:
- Is the course repeatable in the same term? No ☑ Yes 0

Variable Course Content (Subtopics with Different Titles): No ☑ Yes 0

Replacement Course: (meets prior course requirement & repeats) No ☑ Yes 0 If yes, indicate prior course prefix, number, title and units:

Course Classification Number(s) C/S#: C-4

Explanation

Proposed for Major, Minor, Support, Certificate or Credential Program(s)?

Major, required (if yes, specify): No ☑ Yes 0

- major, elective (if yes, specify): No ☑ Yes 0

- concentration (if yes, specify): No ☑ Yes 0

- specialization (if yes, specify): No ☑ Yes 0

Minor (if yes, specify): No ☑ Yes 0

Support for other programs (if yes, specify): No ☑ Yes 0

Certificate programs (if yes, specify): No ☑ Yes 0

Credential programs (if yes, specify): No ☑ Yes 0

Need
Briefly explain the need for this new course, and describe how it fits into the programs checked above and their missions and strategic plans.

Page 2
Prerequisites

Briefly explain the reason for any prerequisites or co-requisites for the course.

This course is intended as part of a series of Network-based elective MIS classes designed for the MIS Concentration. It is assumed that students will be enrolled in the MIS concentration and will have completed the CSC series (currently CSC 101 and 102) and the two MIS preparatory classes (BUS 391 and BUS 390). This is the second of a three part series of Network Component Classes. Prerequisite BUS 396.

Syllabus

Excerpts from materials already prepared for accrediting agencies may be used in this section.

- It is understood that the syllabus will be updated and modified as needed.

- For additional information if course is proposed for USCP, see www.calpoly.edu/-acadprog/curriculum/cultural_pluralism.html

For courses with multiple sections, faculty and/or subtopics, describe the consistent principles or key elements that will inform all sections regardless of the subtopic or faculty who will teach the course by providing a representative sample of a syllabus.

This course is the second of a three course sequence of Network classes dealing with internetworking technologies.

This course introduces the student to configuring routers and switches and continues the treatment of IP addressing and explores routing and routing protocols as well as introducing techniques for recovery and troubleshooting. Topics include:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Topic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Examination of WANs and Routers</td>
</tr>
<tr>
<td>2</td>
<td>Introduction to the Command Line Interface [CLI]</td>
</tr>
<tr>
<td>3</td>
<td>Router Components, Startup and Setup</td>
</tr>
<tr>
<td>4</td>
<td>Router Configuration</td>
</tr>
<tr>
<td>5</td>
<td>IOS Images</td>
</tr>
<tr>
<td>6</td>
<td>TCP/IP</td>
</tr>
<tr>
<td>7</td>
<td>IP Addressing</td>
</tr>
<tr>
<td>8</td>
<td>Routing and Routing Protocols</td>
</tr>
<tr>
<td>9</td>
<td>Network Troubleshooting</td>
</tr>
<tr>
<td>10</td>
<td>Skills Test</td>
</tr>
</tbody>
</table>

Learning Outcomes

What should students know or be able to do after taking this course?

Students should be educated about network technologies and be aided in understanding how to design and build networks and to configure routers. In this specific course the student should acquire knowledge and practical experience with the utilization and deployment of the Command Line Interface [CLI] to configure and maintain routers as well as methods for setup and recovery. They should also be familiar with the components and purpose of router components.

Course Content

Provide a week-by-week outline (readings, discussion topics, experiments, activities, assignments, etc.)

<table>
<thead>
<tr>
<th>Week</th>
<th>Day</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>orientation</td>
<td>Topic 1</td>
<td>Routers - Overview</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>WANs Routers</td>
<td>Topic 2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1</td>
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For Department and College Planning Purposes:

Estimated number of students in one section of this course? 37

Number of sections offered: 1 to 2 each quarter: 1 to 2 per year
1 to 2 each year: 1 to 2 per year

Approval Signatures

Department Head/Chair: [Signature]
For questions and concerns contact Mary Whiteford at 756-2246
Last modified November 29, 2001
From: Gladys E. Gregory
Sent: Monday, October 28, 2002 10:54 AM
To: Margaret R. Camuso
Subject: FW: statement

statement.TXT
PROPOSAL #1 - ACADEMIC CALENDAR, 2004-05

Summer classes begin June 21; Fall term begins Sept. 13; classes, Sept. 20

SUMMER TERM 2004

June 21 Monday Beginning of university year
July 2 Friday End of second week of instruction
July 5 Monday Last day to drop a class
July 8 Friday Last day to register late and pay late registration fee
August 6 Friday End of seventh week of instruction
August 27 Friday Last day of classes
August 30-September 3 Monday-Friday Final examination period
September 3 Friday End of summer term
September 4-12 Saturday-Sunday Academic holiday

FALL TERM 2004

September 13 Monday Beginning of fall term (faculty only)
September 20 Monday Fall term classes begin
October 1 Friday End of second week of instruction
October 4 Monday Last day to drop a class
October 8 Friday Last day to register late and pay late registration fee
November 11 Friday End of seventh week of instruction
November 24-28 Thursday Academic holiday - Veterans' Day
December 3 Friday Academic holiday - Thanksgiving
December 6-10 Monday-Friday Final examination period
December 11 Saturday Mid-Year Commencement
December 12-January 2 Sunday-Sunday End of fall term

WINTER TERM 2005

January 3 Monday Beginning of winter term - classes begin
January 14 Friday End of second week of instruction
January 17 Monday Academic holiday - Martin Luther King, Jr. Birthday observed
January 18 Tuesday Last day to add a class
January 24 Monday End of third week of instruction - Census date
February 1 Monday Academic holiday - George Washington's Birthday observed
February 22 Tuesday End of seventh week of instruction
March 3 Friday Last day of classes
March 14-18 Monday-Friday Final examination period
March 21 Monday Evaluation Day, end of winter term
March 22-27 Tuesday-Sunday Academic holiday

SPRING TERM 2005

March 28 Monday Beginning of spring term - classes begin
March 31 Thursday Academic holiday - Cesar Chavez's Birthday
April 11 Monday End of second week of instruction
April 12 Tuesday Last day to drop a class
April 18 Monday Last day to register late and pay late registration fee
May 16 Monday End of seventh week of instruction
May 30 Monday Academic holiday - Memorial Day observed
June 3 Friday Last day of classes
June 6-10 Monday-Friday Final examination period
June 11 Saturday Commencement

SUMMARY OF CALENDAR DAYS

<table>
<thead>
<tr>
<th>Event</th>
<th>Summer Academic Year (F-W-Sp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MWF Days</td>
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<tr>
<td>TR Days</td>
<td>20</td>
</tr>
<tr>
<td>Total atr Instructional Days</td>
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<tr>
<td>Exams</td>
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<tr>
<td>Commencement</td>
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<tr>
<td>Evaluation Day</td>
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<td>Total atr Academic Work Days</td>
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<tr>
<td>Total Academic Year Instructional Days (F-W-Sp)</td>
<td>147</td>
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<tr>
<td>Total Academic Year Work Days (F-W-Sp)</td>
<td>170</td>
</tr>
</tbody>
</table>
PROPOSAL #2 - ACADEMIC CALENDAR, 2004-05

SUMMER TERM 2004

June 21  Monday  Beginning of university year
    Beginning of summer term - classes begin
July 2     Friday  End of second week of instruction
    Last day to drop a class
July 5     Monday  Last day to add a class
    Last day to register late and pay late registration fee
July 9     Friday  End of third week of instruction - Census date
August 6   Friday  End of seventh week of instruction
August 27  Friday  Last day of classes
August 30-September 3 Monday-Friday  Final examination period
September 3 Friday  End of summer term
September 4-19 Saturday-Sunday  Academic holiday

FALL TERM 2004

September 20  Monday  Beginning of fall term (faculty only)
    Fall term classes begin
September 27  Monday  End of second week of instruction
    Last day to drop a class
October 8     Friday  Last day to add a class
    Last day to register late and pay late registration fee
October 15    Friday  End of third week of instruction - Census date
November 11   Thursday  Academic holiday - Veterans' Day
November 15   Monday  End of seventh week of instruction
November 24-28 Wednesday-Sunday  Academic holiday - Thanksgiving
December 10   Friday  Last day of classes
December 13-17 Monday-Friday  Final examination period
December 18   Saturday  Mid-Year Commencement
December 19-January 2 Sunday-Sunday  End of fall term

WINTER TERM 2005

January 3    Monday  Beginning of winter term - classes begin
January 14   Friday  End of second week of instruction
    Last day to drop a class
January 17   Monday  Academic holiday - Martin Luther King, Jr. Birthday observed
January 19   Tuesday  Last day to add a class
    Last day to register late and pay late registration fee
January 24   Monday  End of third week of instruction - Census date
February 21  Monday  Academic holiday - George Washington's Birthday observed
February 22  Tuesday  End of seventh week of instruction
    Final examination period
March 11     Friday  Last day of classes
March 14-18  Monday-Friday  Final examination period
March 21     Monday  Evaluation Day, end of winter term
March 22-27  Tuesday-Sunday  Academic holiday

SPRING TERM 2005

March 28     Monday  Beginning of spring term - classes begin
March 31     Thursday  Academic holiday - Cesar Chavez's Birthday
April 11     Monday  End of second week of instruction
    Last day to drop a class
April 12     Tuesday  Last day to add a class
    Last day to register late and pay late registration fee
April 18     Monday  End of third week of instruction - Census date
May 16       Monday  End of seventh week of instruction
May 30       Monday  Academic holiday - Memorial Day observed
June 3       Friday  Last day of classes
June 6-10    Monday-Friday  Final examination period
June 11      Saturday  Commencement

SUMMARY OF CALENDAR DAYS

<table>
<thead>
<tr>
<th></th>
<th>Summer</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
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<td>Total Qtr Instructional Days</td>
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<tr>
<td>Evaluation Day</td>
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<td>Total Qtr Academic Work Days</td>
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<td>54</td>
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</tbody>
</table>

Total Academic Year Instructional Days (F-W-Sp): 147
Total Academic Year Work Days (F-W-Sp): 170