Course Proposal: Modify

CID and Name:
10224219----Dunn, Deborah

1. Course: **CSC 560 Teleprocessing & Data Comm**

2. Term/Year: **Fall 2014**

3. CIP CODE/10 Digit Program Code: **1109010006**

4. Current Course Title: **Teleprocessing & Data Comm**
   Modified Course Title: **Computer Networking**

5. Modified Long Course Title: **Computer Networking**

6. What is the primary reason you are modifying this course:
   ~~The course is being modified to accommodate changes to the courses being offered for a Masters degree,~~
   To make the course consistent with the undergraduate course,
   CsC 435, that it is cross-listed with.

7. Enter course description exactly as it will appear in the general/graduation bulletin:
   N/A

8. Enter modified course description exactly as it will appear in the general/graduation bulletin:
   N/A

9. Current Prerequisites:
   CSC 241, 343.

10. Modified Prerequisites:
    CSC 241, and CSC 323 or CSC 333 or CSC 341 or CSC 342.

11. College: **College of Science/Mathematics**

12. Department Teaching Course: **Computer Science**

13. Instruction Type: **N/A**

14. Modified Credit Hours Maximum: **N/A**

    Credit Hours Minimum: **N/A**

Maximum Hours counted toward degree: **N/A**

15. Maximum contact hours each week Fall Semester: **N/A**

16. May this course be taken more than one time each semester? **N/A**

17. Grade Type: **N/A**

18. Describe the place of the modified course within your current curriculum. (Will it be elective or required? Part of a major or a minor?)
   NA

19. How does the modified course differ from similar courses being offered at Stephen F. Austin?
   NA

20. Syllabus: Course Learning Goals
List course objectives; describe what students who complete the course will now or be able to do.

   The goal of this course is to have students develop computer communications and networking skills. Success will be evaluated through the completion of laboratory and project assignments, performance on homework problems, and analysis of exam responses. Specific skills include: 1. Demonstrate knowledge of models, standards, and protocols for communication. 2. Develop skills in problem solving involving information (voice/video/data) transfer. 3. Apply queuing systems techniques to network design and performance. 4. Analyze protocol design, analysis, and examples in a layered framework. 5. Analyze data integrity and network security. 6. Recognize communications concepts and vocabulary. 7. Develop simple distributed computing programs. 8. Generalize Internet networking and application development skills.

21. Syllabus: Course Outline
List the topics that the proposed course will cover and indicate the approximate proposed amount of time to be devoted to each, either by percent of course time or number of weeks. Please indicate which topics will be required in all sections of the course and which may vary.
   N/A

22. Any Other Information.
   NA

----**Course Syllabus**----
Must accurately reflect the course syllabus. (N/A is not acceptable response)

23. Program Learning Outcomes
List the program learning outcomes addressed in this course as identified in the course matrix for your degree program. If your department requires a listing of all Program Learning Outcomes (PLOs) on the syllabus, please identify those that are directly taught in this course. If this is a general education core curriculum course and no PLOs are taught in this course then insert the following statement under this heading:

This is a general education core curriculum course and no specific program learning outcomes for this major are addressed in this course.

   MS graduates will demonstrate competence in at least five of the following areas of computing: Artificial Intelligence, Theory and Languages, Systems Software, Networking and Data Communications, Architecture, Simulation, Graphics, Database, and Software Engineering. MS graduates will demonstrate understanding of the ethical issues in the computing profession.

24. General Education Core Curriculum Objectives/Outcomes

List the Exemplary Educational Objectives (EEOs) for this course if the course is included in the general education core curriculum. If you have reworded the EEOs as outcomes for your course, please be sure that the original intent of the EEO is retained.

NA

25. Student Learning Outcomes

List all student learning outcomes (SLOs) for this course including the course specific student learning outcomes that support the PLOs above. In general, SLOs in a course that support the PLOs are specific and include the exact knowledge, skill or behavior taught in the course that supports the more global PLOs. For additional information on meaningful and measurable learning outcomes see the assessment resource page http://www.sfasu.edu/assessment/index

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26. Syllabus: Modified Textbook/Assigned Reading Materials for course:

Computer Networking, 5th Ed., J. F. Kurose and K. W. Ross, Addison Wesley, 2010, ISBN 978-0-13-607967-5. UNIX Using Linux, 4th. Ed., Palmer, Thomson Learning, 2008. ISBN 978- 1-4188-3723-5. Java and C/C++ programming reference.

27. Course Requirements

Describe the major course requirements, assignments, examinations, projects.

2 Class Examinations (100 points each) Final Examination -- Comprehensive (200 points) Homework: 165 points, Project: 120 points. Programs: 115 points (Java).

28. Course Calendar

Create a tentative timeline for the course. At a minimum, list the topics that the course will cover and indicate the approximate amount of time to be devoted to each, either by percent of course time or number of weeks. The calendar should provide information for the maximum number of weeks scheduled for the course.

Overview of Teleprocessing and Data Communications - 1 week Transmission Fundamentals - 1 week Data Communication - 2 weeks Data Security and Integrity - 2 weeks Protocols - 2 2/3 weeks Local Area Networks - 2 2/3 weeks Wide Area Networks - 1 2/3 weeks Network Applications - 1 week Exams (plus final) - 1 week

29. Grading Policy

Describe how the grade for the course is determined.

GRADING: <60 F, 60-69 D, 70-79 C, 80-89 B, >89 A; adjusted for difficulty

30. Attendance Policy

State your attendance policy.

Attendance and class participation (expected), but attendance will not be taken into consideration for your final grade.

31. Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

<u>Definition of Academic Dishonesty</u>
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a

component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

32. Withheld Grades Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

33. Students with Disabilities

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices.

Dept. Chair _____ Date: _____

College Curriculum Chair _____ Date: _____

Dept. Dean _____ Date: _____

College Curriculum Dean _____ Date: _____

RELEASE: 8.3

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