

(R)

**DEADLINES:**

REGULAR COURSE PROPOSALS: OCTOBER 23, 1998 FOR FALL, 1999 AND FEBRUARY 19, 1999 FOR SPRING, 2000  
 SHORT-TERM COURSE PROPOSALS: DECEMBER 11, 1998 FOR FALL, 1999 AND MARCH 26, 1998 FOR SPRING 2000

**PROPOSAL TITLE:** *Chg Catalog Description/Prereq. for Data Comm & Training*

**SPONSOR/S:** *A. Kober*

**DEPARTMENT:** *Comp Sci*

**CHECK ALL THAT APPLY:**  
 UNDERGRADUATE       GRADUATE

**COLLEGE:** *LAS*

If LAS:       History/Humanities  
                   Math/Sciences  
                   Social/Behavioral Sciences

\*\*\*\*\*

**TYPE OF PROPOSAL (Check ALL that Apply)**

<input type="checkbox"/> General Education	<input type="checkbox"/> New Course (NOT Gen. Ed.)
<input type="checkbox"/> New Course in <input type="checkbox"/> Bank	<input type="checkbox"/> Name Change (Dept., School, Major)
<input type="checkbox"/> Existing course, Add To <input type="checkbox"/> Bank	<input type="checkbox"/> Changes in Degree Requirements
<input type="checkbox"/> Multicultural/Global Designation	<input type="checkbox"/> Changes Involve Gen. Ed. requirements
<input type="checkbox"/> Writing Intensive Designation	<input checked="" type="checkbox"/> Minor Changes to Existing Courses
<input type="checkbox"/> New Minor/Concentration/Specialization	<input type="checkbox"/> Course is NOT General Education
<input type="checkbox"/> New Major/Degree Program	<input type="checkbox"/> Course IS General Education
<input type="checkbox"/> Short Term Course Proposal	

**DEPARTMENT**  
 (SIGNATURE INDICATES APPROVAL)      *See Attached*

DEPT. CURRICULUM CHAIR / DATE      DEPT. CHAIRPERSON / DATE

**COLLEGE CURRICULUM COMMITTEE**  
 DATE OF OPEN HEARING (if necessary) \_\_\_\_\_

APPROVED  
 NOT APPROVED

COMMENTS:

*Nancy Smith*      *3-3-99*

SIGNATURE      DATE

**ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)**

APPROVED  
 NOT APPROVED

COMMENTS:

*Nancy Smith*      *3-3-99*

SIGNATURE (Academic Dean)      DATE

SIGNATURE (Graduate Dean)      DATE

UNIVERSITY CURRICULUM COMMITTEE

11/24/98 (College level only)

APPROVED

NOT APPROVED

COMMENTS:

Francis Riccio 3/4/99  
SIGNATURE DATE

SENATE

Date announced at Senate 12/8/98

Voted upon at Senate:                      Approved                      Not Approved                      Date:

EXECUTIVE VICE PRESIDENT/PROVOST

APPROVED

NOT APPROVED If no, reasons are as follows:

STUDENT CREDIT HOURS \_\_\_\_\_ FACULTY LOAD HOURS \_\_\_\_\_ EQUALIZED CREDIT HOURS \_\_\_\_\_

OFFICIAL COPY & APPROVAL SHEET FILED (DATE): \_\_\_\_\_

DATE/SIGNATURE EXECUTIVE VICE PRESIDENT/PROVOST

*C. M. ...*

REGISTRAR

DATE APPROVED COURSE DESCRIPTION RECEIVED \_\_\_\_\_

HEGIS TAXONOMY & COURSE NUMBER ASSIGNED \_\_\_\_\_

DATE/SIGNATURE OF REGISTRAR Robert A. Kulot 3/19/99

NOTIFICATION FORWARD:

SENATE CURRICULUM COMMITTEE CHAIRPERSON

DEPARTMENT CHAIRPERSONS

ACADEMIC DEAN(S)

REGISTRAR

SPONSOR(S)

T117 3/31/99

PROPOSAL NUMBER: 99-

722

CURRICULUM PROPOSAL FORM

*\*DEADLINES:*

REGULAR COURSE PROPOSALS: OCTOBER 23, 1998 FOR FALL, 1999 AND FEBRUARY 19, 1999 FOR SPRING, 2000

SHORT-TERM COURSE PROPOSALS: DECEMBER 11, 1998 FOR FALL, 1999 AND MARCH 26, 1998 FOR SPRING 2000

PROPOSAL TITLE: Change Catalog Description and Prerequisites for Data Communications and Networking

SPONSOR/S: Andrea Lobo, Computer Science Department

DEPARTMENT: Computer Science

CHECK ALL THAT APPLY:

UNDERGRADUATE  GRADUATE

COLLEGE:  Liberal Arts and Sciences \_\_\_\_\_

If LAS:  History/Humanities

Math/Sciences

Social/Behavioral Sciences

\*\*\*\*\*

TYPE OF PROPOSAL (*Check ALL that Apply*)

General Education  New Course (NOT Gen. Ed.)

*New Course in* \_\_\_\_\_ *Bank*  Name Change (Dept., School, Major)

Existing course, Add To \_\_\_\_\_ Bank  Changes in Degree Requirements

Multicultural/Global Designation  Changes Involve Gen. Ed. requirements

Writing Intensive Designation

Minor Changes to Existing Courses

New Minor/Concentration/Specialization  *Course is NOT General Education*

New Major/Degree Program  *Course IS General Education*

Short Term Course Proposal

DEPARTMENT

(SIGNATURE INDICATES APPROVAL)

*[Handwritten Signature]* 10-23-98 Doc. Strm 10/23/98

DEPT. CURRICULUM CHAIR / DATE DEPT. CHAIRPERSON / DATE

COLLEGE CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary) \_\_\_\_\_

----- APPROVED

----- NOT APPROVED

Comments:

\_\_\_\_\_  
SIGNATURE DATE

ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)

----- APPROVED

----- NOT APPROVED

Comments:

\_\_\_\_\_  
SIGNATURE (Academic Dean) DATE

\_\_\_\_\_  
SIGNATURE (Graduate Dean) DATE

Minor Curricular Change  
Change Catalog Description and Prerequisites for Data Communications and Networking  
(0706.410)

**1. Details**

**a. Change Requested**

**Old Catalog Description and Prerequisites**

0706.410

3 s.h.

Data Communications and Networking

(Prerequisites: 0706.310 and 1702.360)

In this advanced course students learn the theoretical basis of data communications, networking systems and techniques. Its topics include data encoding and transmission, digital data communication techniques, data link control, multiplexing, network architectures, and protocols and internetworking. Students complete a networking term project.

→ **New Catalog Description and Prerequisites**

0706.410

3 s.h.

Data Communications and Networking

(Prerequisites: 0707.340 and 1702.360, or permission from the instructor)

Students in this upper-division course will study the principles of data communications, and important network architectures and protocols. Its topics include: The advantages of networking, major network architectures, protocol reference models and stacks, the Data Link Layer, the Network Layer, the Transport Layer, and the Internet. Additional topics may include: Local, metropolitan and wide area networks; wireless, telephone and cellular networks; network security; and network programming. Students complete a networking term project.

**b. Sponsor:** Andrea Lobo, Computer Science Department

**2. Rationale**

**a. Statement of need for the change**

The course emphasis has been changed from the physical aspects of digital communications to network architectures and protocols. The prerequisite of *Principles of Digital Computers* has been replaced with *Design and Analysis of Algorithms*. The latter is now required of all Computer Science majors and is directly relevant to the new emphasis of the course. An upper-division student from another discipline who wishes to take this course but has not taken *Design and Analysis of Algorithms* may take this course with permission from the instructor.

**b. Statement of curricular effect**

This course will continue to be an Advanced Computer Science Course and serve as a Restricted Elective for a Computer Science student.

**3. Results of consultation**

Consultation has been internal to the department.