

Part II. Description of Curriculum Change

1. New Syllabus of Record

2. Summary of the proposed revision

Change the prerequisite for COSC 319, Software Engineering Concepts, from COSC 315 to COSC 220 and COSC 310.

3. Justification for the revision

The original prerequisite for COSC 319 was meant to assure that students had experienced enough software development to engender a sufficient level of programming maturity. COSC 315, which was a second programming course using COBOL as the programming language provided such maturity. Since COSC 315 is being eliminated from the Computer Science curriculum, another

Since at least 1/3 of the material originally in COSC315 has migrated to COSC 220, it makes sense to include COSC 220 in the new prerequisites for COSC 319. However, since COSC 220

COSC 319
Software Engineering Concepts
Syllabus of Record

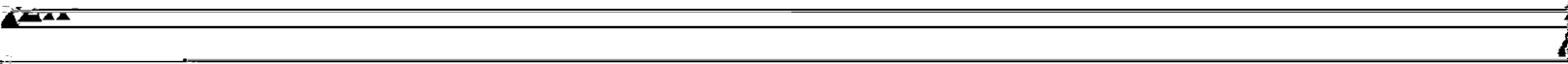
Appendix A

I. Catalog Description Programming

3 credits
3 lecture hours
0 lab hours
(3c-0l-3sh)

COSC 319

~~Prerequisite: COSC 219~~



III. Course Outline

The following subjects will be addressed:

A.	Course Introduction and Administration	0.5 hours
B.	The Software Crisis and Software Engineering	3.0 hours
C.	The Software Life Cycle - A Model of Software Development	1.5 hours
D.	Requirements Analysis	1.5 hours
E.	Design Issues	3.0 hours
F.	Design Methodologies	6.0 hours

VI. Bibliography

1. Braude, Eric J., Software Engineering, An Object-Oriented Perspective, Wiley, 2001.

2000.

3. Pressman, Roger S., Software Engineering, A Practitioner's Approach, 5th Edition, McGraw Hill, 2001.

4. Sammonsville, Inc. Software Engineering, 6th Edition, Addison Wesley, 2001

Old Syllabus of Records

CATALOG DESCRIPTION

Appendix B

COSC 319

3c-01-3sh

Prerequisites: COSC 315 or permission of the instructor

Software engineering concepts include the collection of requirements

procedures, methodologies and accumulated knowledge about the

7. Consider the issues and techniques present in confidence gaining measures residing in each phase of the software lifecycle.
8. Briefly investigate problems present in project management.

COURSE OUTLINE

Fall, 1989

This course will serve to broaden the student's understanding

of the issues and latest developments in the critical area of software design and development. The course will be conducted as a seminar, collections of papers will be read and actively discussed in class. The teacher will lead most of the discussions, but the students will be expected to participate in the discussions. Questions have been formulated which will serve as the basis of the discussion. Before coming to class, students should read (perhaps several) and summarize the assigned

- 11 3.0 Programming Environments
- 12 3.0 Management of Software Development
- 13 3.0 Maintenance

What follows is an overview of the topics, including a reading list for each topic.

Topic Reading

1 Course Introduction and Administration

a. Syllabus and Course Introduction

Zellweger, M. V. "Derivatives as

- Software Engineering", Computing Surveys, Vol. 10, No. 2, June, 1978, pp. 197-216.
- b. Brooks, F. P., "No Silver Bullet: Essence and Accidents of Software Engineering", COMPUTER, Vol. 19, No. 4, pp. 10-19.
- c. Goldhamer, R. "Software Engineering: An