

**Proposal: Minor Change to the
Computer Science Software Engineering Practicum Course
(undergraduate)**

1. Details

a. Changes Requested

We request approval for the following minor changes to the Computer Science Software Engineering Practicum course (undergraduate).

- change the course name for CS 07.322, Software Engineering Practicum, to Software Engineering II
- change the course description for CS 07.322, Software Engineering Practicum,
from

Students will apply their knowledge from Principles of Software Engineering to develop a software system, working in a team. The project will be taken through each of the major software development phases, and student teams will create appropriate deliverables for each phase.

to

Students will apply their knowledge from Software Engineering to develop an advanced software system, working in teams. The project will be taken through each of the major software development phases, and student teams will create appropriate deliverables for each phase. Advanced modern software engineering topics such as critical systems, real-time systems, formal specification and validation, and project management will be covered.

b. Sponsor

Adrian Rusu

2. Rationale

a. Need for the Changes

Software Engineering Practicum is an advanced elective introduced a couple of years ago but never offered. It is now scheduled to be offered in Spring of even years. The catalog name and description do not reflect the way topics will really be taught for the anticipated offering of the course.

b. Curricular Effect

The catalog description will reflect the way topics are actually being covered in this course.

3. Results of Consultation

We solicited letters of consultation from Management Information Systems, Mathematics, and Electrical/Computer Engineering. Received letters are attached.

4. Catalog Description

CS 07.322

3 s.h.

Software Engineering II

(Prerequisite: CS 07.321)

Students will apply their knowledge from Software Engineering to develop an advanced software system, working in teams. The project will be taken through each of the major software development phases, and student teams will create appropriate deliverables for each phase. Advanced modern software engineering topics such as critical systems, real-time systems, formal specification and validation, and project management will be covered.

Hello Adrian,

The MIS faculty support the curriculum proposals you asked us to review. Specifically, we support your minor changes in undergraduate and graduate graphics, undergraduate and graduate software engineering as well as the software engineering lab. Thank you for the opportunity to review your proposals.

Sincerely,
diane hamilton

diane hamilton, ph.d.
Professor of MIS
William G. Rohrer College of Business
Rowan University
201 Mullica Hill Rd
Glassboro, NJ 08028

office: 856-256-4760

From: Rusu, Adrian S.
Sent: Tue 2/6/2007 11:40 AM
To: Czochor, Ronald; Hamilton, Diane; Head, Linda M.
Subject: letters of consultation

Attached are six Computer Science curriculum proposals for the spring 2007 cycle. We are asking for letters of consultaiton. Thanks for your help.

Adrian Rusu

Adrian,

We have reviewed your six proposals and since they are primarily name changes and changes in catalog descriptions, we have no comment with respect to these types of changes. The prerequisite change for the undergraduate software engineering course that suggests removing Intro to Probability and Statistics I as a prerequisite is an understandable change and is very timely since we are proposing a new course for CS students to replace this course anyway.

Ronald J. Czochor, Chairman
Mathematics Department
Rowan University
Phone: 856.256.4845
Fac: 856.256.4816

From: Rusu, Adrian S.
Sent: Tuesday, February 06, 2007 11:41 AM
To: Czochor, Ronald; Hamilton, Diane; Head, Linda M.
Subject: letters of consultation

Attached are six Computer Science curriculum proposals for the spring 2007 cycle. We are asking for letters of consultation. Thanks for your help.

Adrian Rusu

MEMORANDUM

DATE: 2/12/2007

TO: Adrian Rusu, Computer Science Department

FROM: Linda Head, Electrical and Computer Engineering

RE: Consult for: CS 07.322

The Electrical and Computer Engineering program endorses the Computer Science curriculum proposal titled, "Proposal: Minor Change to the Computer Science Principles of Software Engineering Practicum Course (undergraduate) - CS 07.322" This course is appropriate for ECE students who wish to pursue advanced topics in Software Engineering and could be used, with permission of the student's advisor, as an elective in our undergraduate curriculum.