

Rowan University
Computer Science Department

Proposal: Minor Change to the Computer Science 04.114 Course Description

1. Details

a. Changes Requested

We request approval for the following minor change to the Computer Science course descriptions.

1. Change the catalog course description for CS 04.114, Object-Oriented Programming and Data Abstraction, to reflect the experiences gained teaching this course every semester since spring 2004.

Specifically, change the course description for CS 04.114, Object-Oriented Programming and Data Abstraction, **from**

Objects and data abstraction continues from Introduction to Object-Oriented Programming to the methodology of programming from an object-oriented perspective. Through the study of object design, this course also introduces the basics of human-computer interfaces, graphics, and the social implications of computing, with an emphasis on software engineering. Includes advanced UNIX commands.

to

Objects and data abstraction continues from Introduction to Object-Oriented Programming to the methodology of programming from an object-oriented perspective. Through the study of object design, this course also introduces the basics of human-computer interfaces and graphics, with an emphasis on software engineering. A second operating system/programming platform is introduced.

b. Sponsor

Stephen J. Hartley and members of the Computer Science Department Curriculum Committee.

2. Rationale

a. Need for the Change

Object-Oriented Programming and Data Abstraction has been taught each semester since spring 2004. The catalog description needs to be updated to reflect the experiences gained teaching this course multiple times.

We found there was little, if any, time to cover social implications of computing in this course. Therefore, we propose deleting social implications of computing from the course description. These topics are already covered in depth in INTR 01.265, Computers and Society, which is required for computer science majors.

We also found little, if any, time to cover a second operating system/programming platform, such as UNIX, in Introduction to Object-Oriented Programming. We are proposing to cover that only in Object-Oriented Programming and Data Abstraction.

b. Curricular Effect

The catalog description will reflect the topics actually being covered in the two courses.

Even after removing social implications of computing from Object-Oriented Programming and Data Abstraction, computer science majors will still learn about the social implications of computing in INTR 01.265, Computers and Society.

Computer science majors will still be exposed to a second operating system/programming platform.

3. Results of Consultation

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

From hartley Fri Jan 19 12:37:31 2007

To: czochor@rowan.edu, hamilton@rowan.edu, schmalzel@rowan.edu

Subject: letters of consultation for two curriculum proposals

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

<http://elvis.rowan.edu/~hartley/Curriculum/200702/minorChangeIOOP-00PDA.pdf>

<http://elvis.rowan.edu/~hartley/Curriculum/200702/minorChangeJOOP.pdf>

From hamilton@rowan.edu Fri Jan 19 14:35:06 2007

Date: Fri, 19 Jan 2007 13:08:24 -0500

From: "Hamilton, Diane" <hamilton@rowan.edu>

To: Stephen J. Hartley <hartley@elvis.rowan.edu>

Subject: RE: letters of consultation for two curriculum proposals

Hi Stephen,

I have reviewed your two minor curriculum proposals, as requested in your email below, and from the perspective of the MIS faculty, we have no concerns with the changes that you propose, and believe that making the catalog descriptions more accurate is a great thing to do. Thank you for the opportunity to review them.

Sincerely,

Diane Hamilton
Professor of MIS

MEMORANDUM

DATE: 2/5/2007

TO: Steve Hartley, Computer Science Department

FROM: Linda Head, Electrical and Computer Engineering

RE: Consult for: Proposal: Minor Change to the Computer Science Course Descriptions

The Electrical and Computer Engineering program is pleased to endorse the Computer Science curriculum proposal titled, "Proposal: Minor Change to the Computer Science Course Descriptions" This change will not impact any aspect of the interaction of Electrical and Computer Engineering students taking courses from the Computer Science Department.

From Czochor@rowan.edu Mon Feb 5 17:26:21 2007
Date: Mon, 5 Feb 2007 16:25:21 -0500
From: "Czochor, Ronald" <Czochor@rowan.edu>
To: Stephen J. Hartley <hartley@elvis.rowan.edu>
Subject: RE: letters of consultation for two curriculum proposals

Steve,

The Math Department has reviewed your two minor curriculum changes with respect to catalog revisions and credit change. We have no concerns with respect to these proposals. The revisions to the catalog should be helpful in fully describing these courses and their value in subsequent courses. We have no comment on the increase in credit hours.

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

From hartley Thu Feb 8 15:29:34 2007
To: czochor@rowan.edu, hamilton@rowan.edu, head@rowan.edu
Subject: Re: minor changes to JOOP/IOOP/OOPDA courses

Ron, Diane, and Linda,

Recent feedback from the computer science faculty has led me to revise the proposals a bit since I sent out the request for consultation letters. The changes are

- (1) split the IOOP/OOPDA proposal into two proposals,

revised February 12, 2007

- (2) reduce the length of the IOOP catalog description a bit.

The revised proposals are linked at the top of the following Web page.

<http://elvis.rowan.edu/~hartley/Curriculum/index.html>

Thanks.

Steve

From hamilton@rowan.edu Thu Feb 8 16:25:45 2007
Date: Thu, 8 Feb 2007 15:56:31 -0500
From: "Hamilton, Diane" <hamilton@rowan.edu>
To: Stephen J. Hartley <hartley@elvis.rowan.edu>
Subject: RE: minor changes to JOOP/IOOP/OOPDA courses

Hi Steve,

The MIS faculty have no problems with the changes to these proposals.
Thanks for sharing them.

diane