

Course Number Change - Computer Science Curriculum

LSC Use Only No: <u>07-16e.</u>	LSC Action-Date:	UWUCC USE Only No. Senate Action Date: <u>Info-12/4/07</u>	UWUCC Action-Date: <u>R-10/2/07</u> <u>App-10/23/07</u>
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Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person: David T. Smith	Email Address: dtsmith@iup.edu
Proposing Department/Unit: Computer Science	Phone: 7-4478

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

1. Course Proposals (check all that apply) <input type="checkbox"/> New Course <input type="checkbox"/> Course Prefix Change <input type="checkbox"/> Course Deletion <input type="checkbox"/> Course Revision <input checked="" type="checkbox"/> Course <u>Number</u> and/or Title Change <input type="checkbox"/> Catalog Description Change	
<u>Current Course prefix, number and full title</u> COSC 344 Productivity Tools and Fourth Generation Language	<u>Proposed course prefix, number and full title, if changing</u> COSC 444 Productivity Tools and Fourth Generation Language
2. Additional Course Designations: check if appropriate <input type="checkbox"/> This course is also proposed as a Liberal Studies Course. <input type="checkbox"/> Other: (e.g., Women's Studies, Pan-African) <input type="checkbox"/> This course is also proposed as an Honors College Course.	
3. Program Proposals <input type="checkbox"/> New Degree Program <input type="checkbox"/> Program Title Change <input type="checkbox"/> Other <input type="checkbox"/> New Minor Program <input type="checkbox"/> New Track <input type="checkbox"/> Catalog Description Change <input type="checkbox"/> Program Revision	
<u>Current program name</u> Bachelor of Science- Computer Science/ Applied Computer Science Track	<u>Proposed program name, if changing</u>
4. Approvals	
Dept Curriculum Committee Chair	<i>[Signature]</i> 16 Mar 06
Department Chair	<i>[Signature]</i> 3/13/06
Coll. Curriculum Committee Chair	<i>[Signature]</i> 05/17/07
College Dean	<i>[Signature]</i> 9/24/07
Director of Liberal Studies *	
Director of Honors College *	
Provost *	<i>[Signature]</i> 10/2/07
Additional signatures as appropriate: (include title)	
UWUCC Co-Chairs	<i>[Signature]</i> 10/23/07

* where applicable



Received
SEP 25 2007
Liberal Studies

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Part II. Description of Curriculum Change

1. Catalog Description of course to be changed:

COSC 444 Productivity Tools and Fourth Generation Language

3c-0l-3cr

Prerequisite: COSC 341 or IFMG 450

Develop an understanding of productivity issues and how Fourth Generation Languages (4GL) improve productivity as contrasted with 3GLs. Advances in the programming paradigm such as event-driven programming, objects, reusability, graphical user interface (GUI) design and development, information systems based on relational databases, and client/server technology are addressed. Students gain a practical experience with these concepts through an in-depth study of Visual Basic and the development of a GUI interface to a relational database using Visual Basic. (Offered as COSC 344 between 2003 and 2006)

2. Current and Proposed Course Number and Title

Current (old) Course Number and Title:

COSC 344 Productivity Tools and Fourth Generation Language

Proposed (new) Course Number and Title:

COSC 444 Productivity Tools and Fourth Generation Language

3. Justification/Rationale

The software industry has rapidly shifted from fourth generation languages to Internet and Web based programming. Internet and Web based programming are key competencies that our students must acquire in order to become software development professionals. As such the Computer Science curriculum is being updated accordingly. Covered in separate proposals are:

- a) Renumbering COSC 415 Internet Architecture and Programming to COSC 365 in order to reflect a course taken in the junior year.
- b) Revision to the "Bachelor of Science-Computer Science/Applied Track" to include COSC 365 as a required course.

Given these changes, it is desirable that the number assigned to this course be reflective of an Upper Level Elective that being a 400 level class.

4. Letters or Acknowledgement

Attached

Indiana University of Pennsylvania



Department of Management Information Systems
The Eberly College of Business and Information Technology
664 Pratt Drive, Room 203
Indiana, Pennsylvania 15705-1087

724-357-2929
Fax: 724-357-4831
Internet: <http://www.eberly.iup.edu/im/>

To Whom It May Concern:

This memo serves as an official Letter of Acknowledgement and Support from the MIS & Decision Sciences Department for the following changes proposed by the Computer Science Curriculum Committee.

- Deletion of course COSC 304 Interactive Programming with Java
- Renumbering of course COSC 344 Productivity Tools and 4th Generation Languages to COSC 444.

Both these courses are optional major electives for MIS majors. Students will be able to substitute another COSC or IFMG elective in place of COSC 304 so the impact of this deletion is minimal on our students. The renumbering of COSC 344 to 444 will not be a problem for our department.

Sincerely yours,

A handwritten signature in cursive script that reads "Elizabeth M. Pierce".

Elizabeth M. Pierce
Chair, MIS & Decision Sciences

David T Smith

From: "Marcy Rearick" <MREARICK@iup.edu>
To: "David T Smith" <dtsmith@iup.edu>
Sent: Tuesday, January 10, 2006 11:33 AM
Subject: Re: COSC curriculum changes - confirmation of assignable number

Good Morning David,
Yes, it is okay to renumber COSC 344 back to 444 and
COSC 365 is an available course number.
Thanks for inquiring.
Marcy

----- Original Message -----

From: David T Smith
To: Rearick, Marcy M
Sent: Wednesday, January 04, 2006 12:45 PM
Subject: COSC curriculum changes - confirmation of assignable number

Ms. Rearick,

The Computer Science Curriculum Committee is in the process of update the curriculum. We are proposing a few changes to assigned numbers. Specifically:

Renumbering COSC 344 to COSC 444
Renumbering COSC 415 to COSC 365

Note the COSC 344 was originally COSC 444 and was changed a few years ago. We are desiring to renumber it back to its original number.

Can you confirm that i) renumbering COSC 344 back to COSC 444 is possible and will not cause problems, and ii) COSC 365 has not been previously assigned and can now be used in place of 415.

Thank-you in advance.

Best Regards,
David T. Smith