## change of COURSE PROPOSAL FORM

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| --- | --- |
| Academic area: | School of Business and Technology |
| PROGRAM: | AS COMPUTER PROGRAMMING AND ANALYSIS |
| PROPOSEd by: | Scott Vanselow |
| PRESENTER: | Scott Vanselow |
| SUBMISSION DATE: | 12/12/13 |
| CURRENT COURSE PREFIX, NUMBER AND TITLE: | **cop 2171 visual basic programming ii** |

### SECTION I

|  |  |
| --- | --- |
| TYPE(S) OF COURSE CHANGE: | TYPE PROPOSED CHANGE HERE FOR EACH ITEM CHECKED: |
|  | lecture/lab course must have “c” / lab course must have “l” |
|  | type new COURSE TITLE HERE |
|  | ENTER NEW SCHOOL, DIVISION, OR DEPARTMENT |
|  | LIST ALL PREREQUISITES IN SEQUENTIAL ORDER and include the minimum grade for each |
| **DO YOU ANTICIPATE THAT STUDENTS WILL BE TAKING ANY OF THE PREREQUISITES LISTED FOR THIS COURSE IN DIFFERENT PARTS OF THE SAME TERM?** | NO |
|  | LIST ALL COREQUISITES IN SEQUENTIAL ORDER |
| **IS ANY COREQUISITE LISTED ON THIS COURSE LISTED AS A COREQUISITE ON ITS PAIRED COURSE?**  eXAMPLE: CHM 2032 IS A COREQUISITE FOR CHM 2032L AND CHM 2032L IS A COREQUISITE FOR CHM 2032. | NO |
|  | Click here to ENTER THE NUMBER of CREDITS OR cLOCK HOURS |
|  | SELECT A CREDIT TYPE |
|  | Click here to enter CONTACT HOURS |
|  | SELECT GRADE MODE |
|  | |
| This course teaches Windows development fundamentals using the Visual Basic programming language. More advanced features of the language are used to create complex applications that utilize graphic user interfaces, databases, multithreading, Internet communications and multimedia. | |
|  | |
| * Understanding Windows Programming Basics: application types, user interface design, Windows-based applications using Visual Studio. * Creating Windows Forms Applications: create and handle events, Windows Forms inheritance, controls, validate user input, debugging. * Creating Windows Services Applications * Accessing Data in a Windows Forms Application: data access methods, databound controls. * Deploying a Windows Application: deployment methods, setup projects. | |

**** YES

If yes, list below (for information purposes only). TYPE IN ALL OF THE LEARNING OUTCOMES, ASSESSMENTS, AND GENeral EDucation COMPETENCIES AS THEY SHOULD BE DISPLAYED IN THE SYLLABUS

|  |  |  |
| --- | --- | --- |
| LEARNING OUTCOMES | ASSESSMENTS | GENERAL EDUCATION COMPETENCIES |
| Students will evaluate and apply advanced testing techniques. | Testing activities including multiple choice questions covering white-box and black-box testing, unit testing, integration testing, system testing, acceptance testing, and regression testing. | QR |
| Apply the Association for Computing Machinery Code of Ethics and Professional Conduct. | Ethics report. | GSR. COM |
| Deploy an application | Deployment project. Final exam. |  |
| Use the latest version of an integrated development environment to develop computer programs using modern object-oriented design techniques. | Coding activities |  |
| Implement database connection methods to write and support programs that connect to databases. | Database coding activities to create applications accessing data stores such as flat files, XML files, and in-memory objects. Final exam. |  |
| Identify Windows application types and implement user interface design. | Final exam. |  |
| Create Web applications and Windows Service applications using Visual Studio. | Web coding activities to create Web applications utilizing, exemplifying, and/or describing HTML, CSS, JavaScript, page life cycle, event model, state management, client-side vs. server-side programming, Web hosting, IIS, Web services, SOAP, and WSDL. Final exam. |  |
| Create complex Windows Forms applications and console-based applications to meet different specifications. | Coding activities. Final exam. |  |

### SECTION II (must complete each item below)

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| --- | --- |
| If you intend to restrict student registration based on the students’ major(s), enter all applicable major restriction codes: | n/a |
| Is this an “International or Diversity Focus” course? | NO |
| Is this a General Education course? | NO |
| Is this a Writing Intensive course? | NO |
| Is this an Honors Course? | NO |
| Is this a Repeatable Course?\*  (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3-credit hour course, can be repeated 1 time and a student can earn a maximum of 6 credits.)  \*not the same as Multiple Attempts or Grade Forgiveness  If “Yes”, what is the maximum number of credits a student can earn for this course? If “No”, enter NA. | NO  na |
| Will these changes have an impact on other courses, programs, departments, or budgets? | NO |
| If “Yes”, please explain or submit comments below, if no enter NA | |
| na | |
| If “Yes”, have you discussed this proposal with anyone (from other departments, programs, or other institutions) regarding the impact? Were any agreements made? | |
| n/a | |

### SECTION III (MUST COMPLETE EACH ITEM BELOW)

**PROVIDE JUSTIFICATION FOR EACH CHANGE ON THIS PROPOSED CURRICULUM ACTION (OTHER EXPLANATORY INFORMATION):**

SINCE CONSIDERABLE TIME HAS ELAPSED SINCE THE COMPUTER SCIENCE CURRICULUM HAS BEEN REVIEWED, THE FACULTY DETERMINED THAT THE COURSE DESCRIPTIONS AND STUDENT LEARNING OUTCOMES FOR ALL COMPUTER SCIENCE COURSES NEEDED TO BE EXAMINED AND UPDATED. ADDITIONALLY, THE AS NETWORKING DEGREE FRAMEWORK HAS BEEN CHANGED AT THE STATE LEVEL, SO THE FACULTY WISH TO ENSURE THE CURRICULUM MEETS THE NEW STANDARDS REQUIRED BY FLDOE.

**nOTE:**Changes for the Fall 2014Term must be submitted by the January 2014 deadline and approved no later than the February 2014 Curriculum Committee meeting prior to the start of the next academic year. Changes during mid-school year are NOT permitted. Extreme circumstances will require approval from the appropriate dean as well as the Vice President, Academic Affairs to begin in either the spring or summer term.

**TERM IN WHICH PROPOSED ACTION WILL TAKE PLACE:**

FALL 2014

na

**oRDER OF APPROVAL FOR EXCEPTIONS IS AS FOLLOWS:**

SIGNATURE #1 NEEDED FOR EFFECTIVE TERM EXCEPTION:

dean \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SIGNATURE #2 NEEDED FOR EFFECTIVE TERM EXCEPTION:

VICE PRESIDENT, ACADEMIC AFFAIRS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**FACULTY ENDORSEMENTS:**PLEASE SEPARATE FACULTY MEMBERS WITH A COMMA



**DEPARTMENT CHAIR / PROGRAM COORDINATOR ENDORSEMENT:**

 12/12/2013

**DEAN ENDORSEMENT:**

 12/12/2013

**DEANS’ COUNCIL Representative:**

 2/18/2014

**FOR CURRICULUM COMMITTEE MEETING DATE: February 28, 2014**

Completed curriculum proposals must be uploaded to Dropbox by the deadline. Please refer to the *Curriculum Committee Critical Dates for Submission of Proposals* document available in the document manager in the MyEdisonState Portal:

* Document Manager
* VP Academic Affairs
* Curriculum Process Documents