Document N: Course and Program Development:
IMPACT AND APPROVAL SIGNATURES

See Course and Program Development Policy and Procedures (www.ubalt.edu/provost) for instructions.

SCHOOL:  
- LAW  
- MSB  
- CAS  
- CPA

CONTACT NAME:  
Giovanni Vincenti  
PHONE: 410.837.5886

DEPARTMENT/DIVISION:  
Science, Information Arts and Technologies  
DATE PREPARED: 3/2/15

PROPOSED SEMESTER OF IMPLEMENTATION:  
- fall  
- spring  
YEAR: 2015

TYPE OF ACTION:  
- add (new)  
- deactivate  
- modify  
- other

LEVEL OF ACTION:  
- noncredit  
- undergraduate  
- graduate  
- other

ACTION BEING REQUESTED (select one category, either Course Actions or Program Actions):

- COURSE ACTIONS

Original Subject Code/Course Number:
COSC 251

Original Course Title:
Computer Programming II

Select one or multiple actions from one of the lists below (review the list of necessary documents and signatures):

- COURSE ACTIONS
  1. Experimental Course
  2. Course Title
  3. Course Credits
  4. Course Number
  5. Course Level
  6. Pre- and Co-Requisite
  7. Course Description
  8. New Course
  9. Deactivate Course
  10. Other

- PROGRAM ACTIONS
  10. Program Requirements
  11a. Undergraduate Specialization (Fewer than 24 credits)
  11b. Master’s Specialization (Fewer than 12 credits)
  11c. Doctoral Specialization (Fewer than 18 credits)
  12. Minor (add or delete)
  13. Closed Site Program
  14. Program Suspension
  15. Program Reactivation
  16a. Certificate Program (UG/G) exclusively within existing degree program
  16b. Certificate Program (UG/G) outside of or across degree programs (12 or more credits)
  17. Off-Campus Delivery of Existing Programs
  18a. Undergraduate Concentration (24 or more credits)
  18b. Master’s Concentration (12 or more credits)
  18c. Doctoral Concentration (18 or more credits)
  19. Program Title Change
  20. Program Termination
  21. New Degree Program
  22. Other

ADDITIONAL DOCUMENTATION (check all appropriate boxes of documents included; review the list of necessary documents):

- summary proposal (O)
- course definition document (P)
- full five-page MHEC proposal (Q)
- financial tables (MHEC) (R)
- other documents as may be required by MHEC/USM (S)
- other (T)

Summer 2010
**IMPACT REVIEW** (review the list of necessary signatures):

<table>
<thead>
<tr>
<th>Impacted Entity</th>
<th>Signature</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>a. Library</td>
<td></td>
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<tr>
<td>b. OTS</td>
<td></td>
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<td>c. University Relations</td>
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<td>d. Admissions</td>
<td></td>
<td></td>
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<tr>
<td>e. Records</td>
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**APPROVAL SEQUENCE** (review the list of necessary signatures):

<table>
<thead>
<tr>
<th>Approval Level</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Department/Division (Chair)</td>
<td>Deborah Kau</td>
<td>3-10-15</td>
</tr>
<tr>
<td>B. General Education (for No. 7, 8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Final Faculty Review Body Within Each School (Chair)</td>
<td>Ingrid Segerl</td>
<td>4/15/15</td>
</tr>
<tr>
<td>D. Dean</td>
<td>Keninc</td>
<td>4/14/15</td>
</tr>
<tr>
<td>E. University Faculty Senate (Chair)</td>
<td></td>
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<tr>
<td>F. University Council (Chair)¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G. Provost and Senior Vice President for Academic Affairs</td>
<td>Curt A. F.</td>
<td>4-22-15</td>
</tr>
<tr>
<td>H. President</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. Board of Regents (notification only)</td>
<td></td>
<td></td>
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<tr>
<td>J. Board of Regents (approval)</td>
<td></td>
<td></td>
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<tr>
<td>K. MHEC (notification only)</td>
<td></td>
<td></td>
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<tr>
<td>L. MHEC (approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M. Middle States Association notification</td>
<td>Required only if the University’s mission is changed by the action</td>
<td></td>
</tr>
</tbody>
</table>

¹ University Council review (for recommendation to the president or back to the provost) shall be limited to curricular or academic policy issues that may potentially affect the University’s mission and strategic planning, or have a significant impact on the generation or allocation of its financial resources.
**Document 0: Course and Program Development: SUMMARY PROPOSAL**

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- spring  
**YEAR:** 2015

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**ACTION BEING REQUESTED** (select one category, either Course Actions or Program Actions):

- **COURSE ACTIONS**
- **PROGRAM ACTIONS**

**Original Subject Code/Course Number:**

COSC 251

**Original Course Title:**

Computer Programming II

Select one or multiple actions from one of the lists below (review the list of necessary documents and signatures):

**COURSE ACTIONS**

1. Experimental Course  
2. Course Title  
3. Course Credits  
4. Course Number  
5. Course Level  
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7. Course Description  
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**PROGRAM ACTIONS**

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19. Program Title Change  
20. Program Termination  
21. New Degree Program  
22. Other

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**For changes to existing courses:**

<table>
<thead>
<tr>
<th>OLD TITLE</th>
<th>SUBJECT CODE/COURSE NO.</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW TITLE</td>
<td>SUBJECT CODE/COURSE NO.</td>
<td>CREDITS</td>
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</tbody>
</table>

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Summer 2010
The current course description is the following:

Builds upon foundational programming knowledge. While continuing to emphasize problem-solving and algorithm development, this course introduces the fundamentals of object-oriented and event-driven programming techniques in the Microsoft Windows environment. Students code, debug Graphic User Interface programs, and design and build information technology applications. Lab fee required. prerequisite: COSC 151

The course description should change to the following:

Introduces the syntax of an object-oriented language and teaches object-oriented programming concepts and design. To teach these concepts, the course presents an object-oriented programming language such as Java, C#, or C++, while developing problem-solving and algorithm design skills. Lab fee required. prerequisite: COSC 151 or equivalent

SET FORTH THE RATIONALE FOR THIS PROPOSAL:

The current course description is tailored around Visual Basic, a programming language that is not as widely popular as it used to be. We need to adapt the course description to a more generic and modern programming language to ensure that we can change the language as necessary in relation to market demands.

We need to remove the concept of Graphical User Interfaces as a primary topic for this computer programming course. COSC 251 should focus on developing the students' ability to solve problems using an object-oriented programming language (a core of Computer Programming I/II courses), to enable them to explore more advanced topics in later courses.

We need to ensure that we can appropriately match this type of course to those offered by community colleges and universities. This change will ensure that students who wish to study at the University of Baltimore will receive credit for work that they have already completed successfully. This course will expose students to a more comprehensive set of programming platforms.