

Title: Programming Competence

Version: 1



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Save Student Learning Outcome

**Outcome Category:**

- Communication Skills
- Critical Thinking Skills
- Content/Discipline Knowledge & Skills

**Define Student Learning Outcome:**

The student will be able to

choose one:

<u>ANALYSIS</u>	<u>APPLICATION</u>	<u>COMPREHENSION</u>	<u>EVALUATION</u>	<u>KNOWLEDGE</u>	<u>SYNTHESIS</u>
<input type="radio"/> analyze	<input type="radio"/> apply	<input type="radio"/> classify	<input type="radio"/> assess	<input type="radio"/> cite	<input type="radio"/> arrange
<input type="radio"/> appraise	<input type="radio"/> choreograph	<input type="radio"/> depict	<input type="radio"/> choose	<input type="radio"/> define	<input type="radio"/> collect
<input type="radio"/> calculate	<input type="radio"/> compute	<input type="radio"/> describe	<input type="radio"/> decide	<input type="radio"/> identify	<input type="radio"/> combine
<input type="radio"/> categorize	<input checked="" type="radio"/> construct	<input type="radio"/> discuss	<input type="radio"/> defend	<input type="radio"/> indicate	<input type="radio"/> compose
<input type="radio"/> compare	<input type="radio"/> demonstrate	<input type="radio"/> explain	<input type="radio"/> estimate	<input type="radio"/> label	<input type="radio"/> create
<input type="radio"/> contrast	<input type="radio"/> dramatize	<input type="radio"/> express	<input type="radio"/> evaluate	<input type="radio"/> list	<input type="radio"/> design
<input type="radio"/> criticize	<input type="radio"/> employ	<input type="radio"/> locate	<input type="radio"/> grade	<input type="radio"/> match	<input type="radio"/> formulate
<input type="radio"/> debate	<input type="radio"/> generate	<input type="radio"/> paraphrase	<input type="radio"/> judge	<input type="radio"/> name	<input type="radio"/> integrate
<input type="radio"/> determine	<input type="radio"/> illustrate	<input type="radio"/> recognize	<input type="radio"/> justify	<input type="radio"/> quote	<input type="radio"/> manage
<input type="radio"/> diagram	<input type="radio"/> interpret	<input type="radio"/> report	<input type="radio"/> measure	<input type="radio"/> recall	<input type="radio"/> organize
<input type="radio"/> differentiate	<input type="radio"/> operate	<input type="radio"/> restate	<input type="radio"/> rate	<input type="radio"/> relate	<input type="radio"/> perform
<input type="radio"/> distinguish	<input type="radio"/> practice	<input type="radio"/> review	<input type="radio"/> revise	<input type="radio"/> repeat	<input type="radio"/> prepare
<input type="radio"/> experiment	<input type="radio"/> schedule	<input type="radio"/> summarize	<input type="radio"/> score	<input type="radio"/> reproduce	<input type="radio"/> produce
<input type="radio"/> inspect	<input type="radio"/> sketch	<input type="radio"/> tell	<input type="radio"/> value	<input type="radio"/> select	<input type="radio"/> propose
<input type="radio"/> solve	<input type="radio"/> use				

computer software solutions for simple programming problems. This will be assessed upon completion of the 3-hour course COP 3330, Object-oriented Programming.

[Preview](#)**Assessment and Evaluation Process:**

Be sure to include the standard(s) and measure(s).

This course is the first advanced programming course that CS majors take and thus represents a means of measuring this skill. The faculty instructor will collect the data from a capstone assignment. This will result in 80% of the students enrolled in COP 3330 during academic year 2005-2006 scoring 70% or better as determined by

Method(s):

choose
one or
more:

- behavioral observation
- capstone course evaluation
- class performance or presentation
- clinical evaluation
- course embedded assignment (often in tandem with exam question bank)
- course report
- department assessment
- departmental exam/comprehensive exam/preliminary exam
- faculty committee evaluation of dissertation, thesis or treatise
- faculty designed comprehensive or capstone examination and assignment
- instructor constructed exam
- internship evaluation of specific activity
- judged exhibition
- judged performance
- national or state standardized exam
- performance on licensing or other external examination
- portfolio of student work
- pre-test/post-test evaluation
- problem-solving exercise
- professional judged performance or demonstration of ability in context
- project evaluation
- public performance or presentation (juried)
- simulation
- videotaped or audio-taped performance
- written report or essay

[Preview](#)**Results**

74% of the students enrolled in COP 3330 during academic year 2005-2006 scored 70% or better as determined by a faculty designed comprehensive or capstone examination and assignment.



Improvements Made or Action Plan Based on Analysis of Results

75% of the 2006-2007 COP 3330 students should score 70% or better on a faculty designed comprehensive or capstone examination and assignment. In addition, the COP 3330 instructors should provide written qualitative feedback on student performance on this course capstone examination and assignment. This feedback will be used to both adjust the assessment requirements and evaluation procedure. In addition, it can be used by the instructors to refine the assignment, and the instructional material provided to the students that is relevant to the capstone assignment.

Potential
Budget
Impact:



Yes

All budgetary requests will be considered during the Institutional Effectiveness Plan Approval Process.



No

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File Bank



COP 3330 Capstone Assignment [http://www.cs.fsu.edu/~myers/cop3330/hw/...]



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Subject

Body

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No message history is available for this student learning outcome.