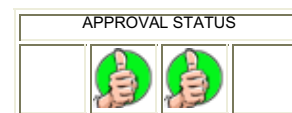


Title: Database Knowledge

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: **ANALYSIS**

- analyze
- appraise
- calculate
- categorize
- compare
- contrast
- criticize
- debate
- determine
- diagram
- differentiate
- distinguish
- experiment
- inspect
- solve

APPLICATION

- apply
- choreograph
- compute
- construct
- demonstrate
- dramatize
- employ
- generate
- illustrate
- interpret
- operate
- practice
- schedule
- sketch
- use

COMPREHENSION

- classify
- depict
- describe
- discuss
- explain
- express
- locate
- paraphrase
- recognize
- report
- restate
- review
- summarize
- tell

EVALUATION

- assess
- choose
- decide
- defend
- estimate
- evaluate
- grade
- judge
- justify
- measure
- rate
- revise
- score
- value

KNOWLEDGE

- cite
- define
- identify
- indicate
- label
- list
- match
- name
- quote
- recall
- relate
- repeat
- reproduce
- select

SYNTHESIS

- arrange
- collect
- combine
- compose
- create
- design
- formulate
- integrate
- manage
- organize
- perform
- prepare
- produce
- propose

both relational and object-oriented databases. This will be assessed upon completion of the 3-hour course COP 4710, Theory and Structure of Databases.

Preview

**Assessment and Evaluation Process:**

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

As databases become increasingly prevalent in business and industry, a CS major needs to have expertise in the area. The faculty instructor will collect data on a capstone activity in databases. This will result in 80% of the students enrolled in COP 4710 during 2005-2006 scoring 70% or better as determined by a

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**

In Fall 2006, 87% of the students got 70% or better on the capstone assignment, assignment 3 (attached document). In Spring 2007, 100% of the 4710 students got 70% or better on the capstone assignment, a final project (weblink). However, the students originally did poorly on the assignment, and were required to produce a better result; and all did. This was done without the instructor knowing that this was the IEP reported assignment.

**Improvements Made or Action Plan Based on Analysis of Results**

Clearly the students have met the requirement. However, they did so only by allowing them an extra chance at the assignment. Since Database management skills are so important to professional employment, it makes sense to demand that students do extremely well on such a capstone assignment. Thus, this feedback from the instructors will be used to inform instructors that this level of mastery should be shown by all COP 4710 classes.

Potential
Budget
Impact:

- Yes
 No

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

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[Save Student Learning Outcome](#)

**File Bank**

Fall 2006 COP 4710 Assignment Description [hw3.doc]



Fall 2006 COP 4710 Assignment Solution w/complete questions as well. [hw3sol.doc]



Spring 2007 COP 4710 capstone assignment description. [http://ww2.cs.fsu.edu/~steele/SPRING_07_...]



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