Detailed Assessment Report

As of: 5/08/2015 04:42 PM EDT

2014-2015 Informatics BS

(Includes those Action Plans with Budget Amounts marked One-Time, Recurring, No Request.)

Mission / Purpose

We believe there is great need and opportunity for professionals trained in state-of-the-art information technology with an emphasis on the organizational and human issues of technology. There is an urgent need in our society for graduates with education and experience in informatics, particularly with interdisciplinary skills. Employers want to fill traditional jobs with people who understand the possibilities new technologies promise. Furthermore, employers also want IT people with strong communication and problem-solving abilities. The Informatics core courses and cognate specialty courses ensure that graduates will have a broad understanding of data processing as used in application areas.

Informatics is committed to student learning, innovation, regional engagement, and the interdisciplinary application of technology. These goals are consistent with IU Kokomo's mission to "…enhance the educational and professional attainment of the residents of North Central Indiana…"

Goals

G 1:Problem-Solving
Problem-Solving

G 2:Communication
Communication

G 3:Information Organization and Processing
Information Organization and Processing

G 4:Social/Organizational/Ethical Issue Integration
Social/Organizational/Ethical Issue Integration

G 5:User/Context-Centered Design
User/Context-Centered Design

Student Learning Outcomes/Components, with Any Associations and Related Artifacts/Objects, Benchmarks, Findings, and Action Plans

S 1:Analyze and design a solution to a problem/Comp#1
Students will be able to analyze and design a solution to a problem.
Component: analysis
Criteria: (needed)
Levels of Performance: None, Partial, Complete

S 2:Analyze and design a solution to a problem/Comp#2

Students will be able to analyze and design a solution to a problem.
Component: design
Criteria: (needed)
Levels of Performance: Unsatisfactory, Satisfactory, Exceptional

S 3:Prototype an application design.
Outcome: Students will be able to prototype an application design (flowchart, pseudo code, storyboard, low/high-fidelity prototype). Component: Design

S 4:Utilize a programming language to implement computer software/Comp#1
Students will be able to utilize a programming language to implement computer software..
Component: Coding standards compliance (naming, documentation, etc.)
Criteria: (needed)
Levels of Performance:Does not comply, Complies, Exceeds compliance

Related Artifacts/Objects:

A 1:Students used Visual Basic to create an application
INFO I210, a first programming course currently using Visual Basic, started with 25 students. Fifteen submitted a final project that was used to assess this outcome.

Source of Evidence: Project, either individual or group

Benchmark:
The level of performance where the student creates a program that runs and implements all of the requirements will be considered acceptable. It is anticipated that 90% of the students will achieve (at least) this performance level.

Related Action Plans (by Established cycle, then alpha):

For full information, see the *Details of Action Plans* section of this report.

Assess this outcome again next year
Established in Cycle: 2012-2013
As the instructor left the University without providing copies of the assignment or created programs, the remaining instructors ...

S 5:Utilize a programming language to implement computer software/Comp#2
Students will be able to utilize a programming language to implement computer software..
Component: Functionality
Criteria: (needed)
Levels of Performance:Does not run, Runs, but does not implement all requirements, Runs and Implements all requirements, Runs and implements more than required

Related Artifacts/Objects:

A 1:Students used Visual Basic to create an application
INFO I210, a first programming course currently using Visual Basic, started with 25 students. Fifteen submitted a final project that was used to assess this outcome.

Source of Evidence: Project, either individual or group

Benchmark:
The level of performance where the student programming team creates a program that runs and implements all of the requirements will be considered acceptable. It is anticipated that 90% of the teams will achieve (at least) this performance level.

S 6:Introduce, analyze, support, and defend positions in a written document.
Students will be able to introduce, analyze, support, and defend positions in a written document.

S 7:Deliver an oral presentation on a technical topic.
Students will be able to deliver an oral presentation on a technical topic.

S 8:Understand and utilize digital representations of information for presentation and/or processing.
Students will be able to understand and utilize digital representations of information for presentation and/or processing.

S 9:Organize information in a database.
Students will be able to organize information in a database.

S 10:Organize and categorize information to improve understanding /interpretation of the information.
Students will be able to organize and categorize information to improve understanding and interpretation of the information.AC

S 11:Analyze the social/organizational/ethical issues with the application of technology.
Students will be able to analyze the social/organizational/ethical issues with the application of technology.

S 12:Apply social/organizational issues while designing/developing an information system.
Students will be able to apply social/organizational issues while designing/developing an information system.

S 13:Analyze the user/contextual issues with the application of technology.
Students will be able to analyze the user/contextual issues with the application of technology.

S 14:Apply user/contextual issues while designing/developing an information system.
Students will be able to apply user/contextual issues while designing/developing an information system.

Details of Action Plans for This Cycle (by Established cycle, then alpha)

Assess this outcome again next year
As the instructor left the University without providing copies of the assignment or created programs, the remaining instructors wish to assess this outcome another year.

Established in Cycle: 2012-2013
Implementation Status: Planned
Priority: High

Relationships (Artifact/Object | Outcomes/Components):
Artifact/Object: Students used Visual Basic to create an application |
Outcomes/Components: Utilize a programming language to implement computer software/Comp#1

Projected Completion Date: 09/30/2015
Responsible Person/Group: Informatics faculty