Course Mapping Workshop

Fitchburg State University

January 12, 2017 Faculty Development Day

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Agenda

I.   Techniques for Aligning Course Assessments with Learning Outcomes and Communicating Alignments to Students

II. Examples of Backward Design Approaches Used to Redesign Courses

    A.   Entry Level Cross Disciplinary Course

    B.   Upper Level Marketing Capstone Course

III. Hands-on-Learning Activities

Workshop Learning Outcomes

At the completion of this workshop, participants should learn techniques they can use to better:

- Articulate course learning outcomes

- Align course learning outcomes with/to course assignments/assessments

- Communicate learning outcomes and assignment/assessment alignments to students

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Techniques for
Aligning Course Assessments with Learning Outcomes
and Communicating Alignments to Students

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Background/Issues

- As Assessment Coordinator, work with faculty to develop and track department level broad-based goals and bachelor's-level and master's-level core and program specific learning

- Refined my course learning outcomes and ensured they aligned with departmental and bachelor-level outcomes (Renee and Katy will review techniques for refining learning outcomes.)

- However, no systematic method to verify my course assessments perfectly aligned with course learning outcomes

System for Verifying Alignment of Assignments with Course Learning Outcomes

Course Learning Outcome	Lab 4 Word	Lab 5 Excel	Lab 6 Excel	Lab 7 Excel	Lab 9 Access	Lab 11 PowerPoint	Exam 1	Exam 2	Exam 3	Final Proj-PP	Final Proj-Rsch Log
1 To demonstrate fundamental software application skills in programs including MS Word, Excel, PowerPoint and Access in support of basic business applications.	X	X	X	X	X	X				X	
2 To define basic computer information technology hardware and software terminology.							X				
3 To compare the components and implications of graphical user interfaces within information technology from the consumer and developer viewpoint.								X		X*	
4 To describe the fundamental patterns on which all information technology is built.							X				
5 To demonstrate an understanding of Web site organization, how search engines work, and how to evaluate the accuracy of Web content.								X			X
6 To explain basic computer software and hardware debugging strategies and workarounds.				X				X			
7 To describe basic privacy and digital security concepts and consider their implications.									X	X*	
8 To recognize and discuss ethical issues and the impact of computers on society.									X	X*	
9 To demonstrate ability to construct and present effective oral and written forms of professional communications	X**	X**	X**	X**		X**				X***	

X* = may demonstrate learning outcome
X** = written
X*** = oral and written

■ Deficient areas in first version of spreadsheet.

Aligning Course Assessments with Learning Outcomes

Course Learning Outcome BSAD 1700 Introduction to CIS	Measurement of Course Learning Outcome												
	Lab 4 Word	Lab 5 Excel	Lab 6 Excel	Lab 7 Excel	Lab 9 Access	Lab 11 PowerPoint	Exam 1	Exam 2	Exam 3	Final Proj-PP	Final Proj-Rsch Log	Wi-Fi Ntwrk Diag	ASCII Coding
1 To demonstrate fundamental software application skills in programs including MS Word, Excel, PowerPoint and Access in support of basic business applications.	X	X	X	X	X	X				X		X	
2 To define basic computer information technology hardware and software terminology.							X	X	X			X	
3 To compare the components and implications of graphical user interfaces within information technology from the consumer and developer viewpoint.								X		X*			
4 To describe the fundamental patterns on which all information technology is built.							X						X
5 To demonstrate an understanding of Web site organization, how search engines work, and how to evaluate the accuracy of Web content.								X			X		
6 To explain basic computer software and hardware debugging strategies and workarounds.				X				X					
7 To describe basic privacy and digital security concepts and consider their implications.									X	X*			
8 To recognize and discuss ethical issues and the impact of computers on society.									X	X*			
9 To demonstrate ability to construct and present effective oral and written forms of professional communications	X**	X**	X**	X**		X**				X***		X**	

X* = may demonstrate learning outcome
X** = written
X*** = oral and written

■ Measurements added/improved because of deficiencies in first version of spreadsheet.

Communicating Alignment to Students on Course Syllabus

Course Learning Outcomes:

Upon successful completion of the course, students will be able:
1. To demonstrate fundamental software application skills in programs including MS Word, PowerPoint, and Access in support of basic business applications
2. To define basic computer information technology hardware and software terminology
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9. To demonstrate ability to construct and present effective oral and written forms of communication

Student Assessments:

Assignment/Presentation/Exam	Percentage	Learning Outcome(s) Addressed
Word assignments (2)	6%	1
Excel assignments (3)	9%	1
PowerPoint assignment	1%	1
Access assignment	3%	1
Visio assignment (network diagram)	2%	1, 2
ASCI coding assignment	2%	4
Review research materials on Blackboard	0.5%	5
Final project	13%	1, 3, 7, 8, 9
Answers to end of chapter questions for each exam (3)	1.5%	2, 3, 4, 5, 6, 7, 8
Exam 1	19%	2, 4
Exam 2	19%	2, 3, 5, 6
Exam 3	19%	2, 7, 8
In class attendance & participation	5%	All
Total	**100%**	

Communicating Alignment to Students on Assignments

Introduction to Computer Information Systems
Dr. Pereira
Fall 2016

Final Research Project:
Information Technology/Business Research PowerPoint and Presentation

Project Learning Outcomes

This project will demonstrate your knowledge of an information technology (IT) topic, related to business, and the strategy you use to search for relevant sources. It will also demonstrate your use of Microsoft PowerPoint. To successfully complete this project, you should demonstrate the following course outcomes and learning objectives:

- Demonstrate fundamental software application skills in support of business applications
- Define basic computer IT hardware and software terminology
- Demonstrate an understanding of Web site organization, how search engines work, and how to evaluate the accuracy of Web content

Depending on the IT topic you select, you may also demonstrate the following course outcomes and learning objectives:

- Describe basic privacy and digital security concepts and consider their implications
- Recognize and discuss ethical issues and the impact of computer on society

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