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Academic Learning Compact : Information Systems Management [Effective 2013]

University of South Florida St. Petersburg.

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USFSP UNIVERSITY OF SOUTH FLORIDA ST. PETERSBURG

ACADEMIC LEARNING COMPACTS (ALCS)

ISM - AY2013-14

Academic Learning Compacts, Updates: 2013-2014

"… to ensure student achievement in undergraduate and graduate degree programs …"

Academic Program: Information Systems Management

Person Responsible: Dr. Xin Li

Mission of Academic Program (include URL): The IS major focuses on the intersection of business and technology, developing graduates who are well-versed in the language of business, have strong communication skills, and know how to select, develop, implement, and manage new and emerging information technologies. Additionally, the IS major provides students seeking more general business careers with a set of highly marketable skills they can apply in any facet of business. A variety of electives enable students to choose an area of specialization, learn about global information systems, or further develop their technical skills.

List Program Goal(s) / Objective(s):	
IS Major	College of Business
1. "developing graduates who are well-versed in the language of business, have strong communication skills…"	1. "to educate current and future professionals in the effective management and ethical leadership of organizations"
2. "…know how to select, develop, implement, and manage new and emerging information technologies…"	2. "We engage in theoretical and practical research as well as provide service …"
3. "…variety of electives enable students to choose an area of	3. "We meet the demands of our diverse student population by

specialization, learn about global information systems."		preparing them for an increasingly global environment …"	

1. Content/Discipline Skills

Goals/Objectives	Means of Assessment/ Corroborating Evidence*	Criteria for Success	Findings	Plan for Use of Findings in 2012-13
1. Plan and develop a computer program using an object-oriented programming language. (a) Identify, differentiate and implement conditional expressions (b) Evaluate functionality of programs by execution and debugging	(a) Project 1 - Students developed a major multi-week project in which they created a catering application to order food items. (b) Project 2 - Jet Bulls is a very small helicopter service that transports passengers between the following USF campuses: Polytechnic, Sarasota and St Petersburg. Your job is to create a seat booking program for their helicopters.	(a) 80% will score 70/100 or above (b) 80% will score 70/100 or above	(a) 91% of the students achieved 70 or better on this portion of the project, this is an improvement over previous measurement which was 82% scored 70 or better. (b) 90% of the students achieved 70 or better on this portion of the project.	(a) This is the second time this learning goal has been used and the success rate has increased. The project is quite intensive and I ran a special session giving examples on how to complete the most complicated part of the project. The students performed well, but I found that students had difficulty understanding how a search should be done. I am going to spend more time next time discussing search procedures and implementation.

				(b) This is the second time this new learning goal was measured and we will continue to measure it as it is an integral part of the course. There was a decrease in performance this year which I think is because of a change in the weekly tutorial time. Students weren't always able to ask questions. We will review the situation to determine whether the course needs a dedicated meeting time to force students to work through additional problem sets.
2. Demonstrate understanding in database design and administration (a) Formulate Entity	(a) Individual Assignment (b) Individual Assignment	(a) 70% will score 70/100 or above (b) 70% will score 70/100 or above	Measured in Spring 2014: a)95.8% of students met or exceeded expectations	a)Results are better that previous cycles. Hands-on activities seem to be working. b)Results are improving. We

			b)87.5% of students met or exceeded expectations	will dedicate more class time to SQL.
Relationship Diagrams from a business scenario (b) Write effective SQL queries to answer business questions				
3. Explain basic data communication concepts and internet technologies (a) Identify the layers of the OSI model (b) Analyze Internet protocols and be able to interpret Internet packets	(a) Test questions (b) Lab	(a) 70% will score 70/100 or above (b) 70% will score 70/100 or above	Measured in Spring 2014 in ISM 4220 Business Data Communications a)88.7% of students met or exceeded expectation b)90.6 % of students met or exceeded expectations.	This course was redesigned this year and new measures were used. Even though performance was good, additional videos are planned to guide the lab activities and focus students on key concepts.
4. Demonstrate understanding of systems development using appropriate analytical techniques (a) Formulate business processes using Activity Diagrams (b) Design data storage requirements of an Information System using a Class Diagram	(a) Individual project (b) Individual project	(a) 70% will score 70/100 or above (b) 70% will score 70/100 or above	Measured in Fall 2013: ISM3113 Systems Analysis and Design (a) 95% of students who completed this assessment achieved a score exceeding the 70/100 threshold. (b) 100% of students who completed this assessment met or	The form and rigor of these assessments were revised as the course is now delivered in both on-line and 'blended' formats.

			exceeded the 70/100 threshold for this assessment. Both assessments are highly outcome- specific and focused, providing reliable indicators of performance.	
5. Demonstrate the ability to critically discuss the impact of current IT and IS issues (a) Identify and explain current IS and/or technical issues from multiple sources (b) Discuss the potential impact on organizational policies, procedures and standards for managing distributed computing resources.	(a) Discussion (b) Discussion	(a) 70% will score 70/100 or above (b) 70% will score 70/100 or above	Results were not reported for Spring 2014.	

Please include multiple assessments. For example: students perform well on classroom assignments, norm-referenced tests/surveys, and they get accepted to graduate school or are employed.