2016-2017 Assessment Cycle COS_Informatics Program BS

Mission (due 1/20/17)

University Mission

The University of Louisiana at Lafayette offers an exceptional education informed by diverse worldviews grounded in tradition, heritage, and culture. We develop leaders and innovators who advance knowledge, cultivate aesthetic sensibility, and improve the human condition.

University Values

We strive to create a community of leaders and innovators in an environment that fosters a desire to advance and disseminate knowledge. We support the mission of the university by actualizing our core values of equity, integrity, intellectual curiosity, creativity, tradition, transparency, respect, collaboration, pluralism, and sustainability.

University Vision

We strive to be included in the top 25% of our peer institutions by 2020, improving our national and international status and recognition.

College / Department / Program Mission

College Mission

Provide the college mission in the space provided. If none is available, write "None Available in 2016-2017." Our mission is to serve our students, the citizens of Louisiana, the nation, and the world, through innovative and stimulating educational experiences and compelling research initiatives that create knowledge, deepen our basic understanding of the world around us, further economic development, and enhance quality of life. In support of our mission, The College of Sciences seeks to:

Develop broad-thinking students into mature, ethical professionals, scientists, and researchers with the necessary creativity, critical thinking, and problem solving skills required to make significant contributions to industry, government, and the academic sector.

Recruit and support top-notch teaching and research faculty engaged in scientific endeavors that are recognized nationally for their relevance and impact.

Enrich scientific research and education through on-campus collaborations, multidisciplinary programs, large-scale multiinstitution initiatives, as well as partnerships with government and industry.

Foster scientific literacy within the University, the citizens of Louisiana, and the nation by providing stimulating courses for our students and by partnering with educators at the K-12 and community college level.

Provide leadership in the translation and application of research into practical solutions that will benefit our local community, the state of Louisiana, our natural environment, industries of the Gulf Coast region, and society as a whole.

The Ray P. Authement College of Sciences will emerge as a preeminent college of sciences in the Southeast and Gulf Coast region of the United States. The College will be recognized nationally for its innovative education, scholarly research activities addressing our nation's grand challenges, and for its diverse student body with exemplary academic achievements, leadership abilities, and global perspectives.

Department / Program Mission

Provide the department / program mission in the space provided. If none is available, write "None Available in 2016-2017".

The Mission and Purpose of the Informatics Program is to educate undergraduate students in the use of the scientific

method for the application of computing and information technologies, as well as the design, maintenance, and adaptation of information systems that solve problems, with an understanding of human needs and context.

Assessment Plan (due 1/20/17)

Assessment List (Goals / Objectives, Assessment Measures and Criteria for Success)

Assessment List

Goal/Objective	Goal 1. Students' Professional and Graduate Studies Preparation Prepare students to function professionally in the field of informatics and/or graduate studies in informatics or other related fields. A.2. Ability to Design and Implement IT Infrastructures The student shall demonstrate the ability to analyze, design, implement, and test computing and information technology hardware and software infrastructures, of varying complexity and configuration with respect to a variety of criteria relevant to the task.			
Legends	SLO - Student Le	earning Outcome/Objective	e (academic units);	
Standards/Outcomes				
Assessment Measures				
	Assessment Measure	Criterion	Attachments	
	Direct - Writing Exam	At least 75% of the students shall earn an overall score of 75% average or higher on evaluations.	Informatics_Program_240_Assessment_Fall16.docx	

Goal/Objective	Goal 2. Students' Computational and Critical Thinking, Problem Solving, Scientific Method Develop students' computational and critical thinking, as well as problem-solving skills, through the use of the scientific method.		
Legends	SLO - Student	Learning Out	come/Objective (academic units);
Standards/Outcom es			
Assessment Measures			
	Assessme nt Measure	Criterion	Attachments
	Direct - Writing Exam	At least 75% of the students shall earn an overall score of	Final_INFX320.pdf Informatics_Program_320_AssessmentGoal_2Spring_2017.do cx INFX_320_Assessment_Results_WorksheetGoal_2Spring_201 7.xlsx

75% average or higher on evaluation s.	

Goal/Objective	Goal 1. Principles of Science of Informatics Understand and employ the fundamental principles of the science of Informatics, including those of pervasive themes in Informatics, history of information technology, information technology and its related and informing disciplines, and application domains.		
Legends	SLO - Student	Learning Out	come/Objective (academic units);
Standards/Outcom es			
Assessment Measures			
	Assessme nt Measure	Criterion	Attachments
	Direct - Writing Exam	At least 75% of the students shall earn an overall score of 75% average or higher on evaluation s.	Final_INFX320.pdf Informatics_Program_320_AssessmentGoal_1Spring_2017.do cx INFX_320_Assessment_Results_WorksheetGoal_1Spring_201 7.xlsx

Results & Improvements (due 9/15/17)

Results and Improvement Narratives

Assessment List Findings for the Assessment Measure level for Goal 1. Students' Professional and Graduate Studies Preparation Prepare students to function professionally in the field of informatics and/or graduate studies in informatics or other related fields. A.2. Ability to Design and Implement IT Infrastructures The student shall demonstrate the ability to analyze, design, implement, and test computing and information technology hardware and software infrastructures, of varying complexity and configuration with respect to a variety of criteria relevant to the task.

Goal/Objective	Goal 1. Students' Professional and Graduate Studies Preparation
-	Prepare students to function professionally in the field of informatics and/or graduate studies in
	informatics or other related fields.
	A.2. Ability to Design and Implement IT Infrastructures

	The student shall demonstrate the ability to analyze, design, implement, and test computing and information technology hardware and software infrastructures, of varying complexity and configuration with respect to a variety of criteria relevant to the task.						
Legends	SLO - Studen	SLO - Student Learning Outcome/Objective (academic units);					
Standards/Outco mes							
Assessment Measures							
	Assessmen Measure	it C	Criterion				
	Direct - Writi Exam		At least 75% of th nigher on evaluat	ne students shall earn an overall score of 759 ions.	% average or		
Assessment Findings							
	Assessme nt Measure	Criterion	Summary	Attachments of the Assessments	Improveme nt Narratives		
	Direct - Writing Exam	Has the criterion At least 75% of the students shall earn an overall score of 75% average or higher on evaluation s. been met yet? Not met	In order to validate the students' ability to demonstrate the ability to analyze, design, implement, and test computing and information technology hardware and software infrastructur es, of varying complexity and configuratio n with respect to a variety of criteria relevant to the task, course- embedded assessment	INFX_240_Assessment_Results_Worksh eet.xlsx	- Assessment Process: Continuous monitoring: In order to validate the students' ability to demonstrate the ability to analyze, design, implement, and test computing and information technology hardware and software infrastructur es, of varying complexity and configuratio n with respect to a variety of criteria		

(from the	relevant to
INFX 240	the task,
course) that	course-
will be	embedded
reviewed by	assessment
an INFX	(from the
faculty	INFX 240
member,	course) that
using a	will be
department-	reviewed by
approved	an INFX
rubric. The	faculty
reviewer	member,
shall assess	using a
students on	department-
their ability	approved
to identify	rubric. The
and	reviewer
describe the	shall assess
four key	students on
issues in	their ability
dynamic	to identify and
routing protocols.	describe the
Course	four key
embedded	issues in
assessment	dynamic
Was	routing
measured	protocols.
by way of 27	Course
students'	embedded
submissions	assessment
, as per an	was
INFX 240	measured
exam. As	by way of 27
indicated	students'
earlier, the	submissions
assessment	, as per an
criteria are	INFX 240
as follows:	exam. As
"At least	indicated
75% of the	earlier, the
students	assessment
shall earn	criteria are
an overall	as follows:
score of	"At least
75%	75% of the
average or	students shall earn
higher on evaluations.	an overall
valualions. "	score of
Assessment	75%
results	average or
indicate that	higher on
62% of the	evaluations.
students	"

	earned an	Assessment
	overall	results
	score of	indicate that
	75% or	62% of the
	higher on	students
	evaluations.	earned an
	As such, the	overall
	assessment	score of
	goal for Fall	75% or
	2016 was	higher on
	NOT MET.	evaluations.
	Detailed	As such, the
	assessment	assessment
	results are	goal for Fall
	shown in the	2016 was
	table in the	NOT MET.
	accompanyi	Detailed
	ng	assessment
	spreadsheet	results are
	document.	shown in the
	Preliminary	table in the
	"closing the	accompanyi
	loop"	ng
	suggests	spreadsheet
	that a repeat	document.
	assessment	Preliminary
	should be	"closing the
	considered	loop"
	for the	suggests
	2017-2018	that a repeat
	assessment	assessment
	cycle.	should be
	Results from	considered
	Spring 2016	for the
	assessment	2017-2018
	should be	assessment
	helpful in	cycle.
	making a	Results from
	final	Spring 2016
	determinatio	assessment
	n.	should be
		helpful in
		making a
		final
		determinatio
		n.
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Assessment List Findings for the Assessment Measure level for Goal 2. Students' Computational and Critical Thinking, Problem Solving, Scientific Method Develop students' computational and critical thinking, as well as problem-solving skills, through the use of the scientific method.

Goal/Objective	Goal 2. Students' Computational and Critical Thinking, Problem Solving, Scientific Method
	Develop students' computational and critical thinking, as well as problem-solving skills, through

	the use of the so	cientific	method.			
Legends	SLO - Student L	earnin	g Outcom	e/Objective (academic u	nits);	
Standards/Outcomes						
Assessment Measures						
	Assessment Measure		Criterior	1		
	Direct - Writing Exam]		75% of the students sha on evaluations.	ll earn an overall :	score of 75% average
Assessment Findings						
	Assessment Measure	Crite	rion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Writing Exam	Criterion Has the criterion At least 75% of the students shall earn an overall score of 75% average or higher on evaluations. been met yet? Met		In order to validate the students' ability to develop students' computational and critical thinking, as well as problem- solving skills, through the use of the scientific method, course-embedded assessment (from the INFX 320 course) that will be reviewed by an INFX faculty member, using a department- approved rubric. The reviewer shall assess students on their ability to discuss whether the integrity requirement of security has been met, using a contextualized scenario. Course embedded assessment was measured by way of 14 students' submissions, as per an INFX 320 exam. As indicated earlier, the assessment criteria are as		- Assessment Process: Continuous monitoring: In order to validate the students' ability to develop students' computational and critical thinking, as well as problem- solving skills, through the use of the scientific method, course-embedded assessment (from the INFX 320 course) that will be reviewed by an INFX faculty member, using a department- approved rubric. The reviewer shall assess students on their ability to discuss whether the integrity requirement of security has been met, using a contextualized scenario. Course embedded assessment was measured by way of 14 students' submissions, as per an INFX 320 exam.

follows: "At least	As indicated earlier,
75% of the students	the assessment
shall earn an overall	criteria are as
score of 75%	follows: "At least
average or higher on	75% of the students
evaluations."	shall earn an overall
Assessment results	score of 75%
indicate that 86% of	average or higher on
the students earned	evaluations."
an overall score of	Assessment results
75% or higher on	indicate that 86% of
evaluations. As such,	the students earned
the assessment goal	an overall score of
for Spring 2017 was	75% or higher on
MET. Detailed	evaluations. As such,
assessment results	the assessment goal
are shown in the	for Spring 2017 was
table in the	MET. Detailed
accompanying	assessment results
spreadsheet	are shown in the
document.	table in the
Preliminary "closing	accompanying
the loop" suggests	spreadsheet
that a repeat	document.
assessment should	Preliminary "closing
be considered for the	the loop" suggests
2017-2018	that a repeat
assessment cycle.	assessment should
	be considered for the
	2017-2018
	assessment cycle.

Assessment List Findings for the Assessment Measure level for Goal 1. Principles of Science of Informatics Understand and employ the fundamental principles of the science of Informatics, including those of pervasive themes in Informatics, history of information technology, information technology and its related and informing disciplines, and application domains.

Goal/Objective	Goal 1. Principles of Science of Informatics Understand and employ the fundamental principles of the science of Informatics, including those of pervasive themes in Informatics, history of information technology, information technology and its related and informing disciplines, and application domains.		
Legends	SLO - Student Learni	ng Outcome/Objective (academic units);	
Standards/Outcomes			
Assessment Measures			
	Assessment Measure	Criterion	
	Direct - Writing Exam	At least 75% of the students shall earn an overall score of 75% average or higher on evaluations.	

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ssessment indings				
Assessme Measure	nt Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Writing Exa	 Has the criterion At least 75% of the students shall earn an overall score of 75% average or higher on evaluations. been met yet? Met 	In order to validate the students' ability to understand nd employ the fundamental principles of the science of Informatics, including those of pervasive themes in Information, technology, information technology and its related and informing disciplines, and application domains, course-embedded assessment (from the INFX 320 course) that will be reviewed by an INFX faculty member, using a department- approved rubric. The reviewer shall assess students on their ability to discuss whether the confidentiality requirement of security has been met, in context of a detailed description of two communicating parties, A and B. Course embedded assessment was measured by way of 14 students' submissions, as per an INFX 320 exam. As indicated earlier, the assessment criteria are as follows: "At least 75%	Assessments	- Assessment Process: Continuous monitoring: In order to validate the students' ability to understand nd employ the fundamental principles of the science of Informatics, including those of pervasive themes in Informatics, history of information technology, information technology and its related and informin disciplines, and application domains course-embedded assessment (from the INFX 320 course that will be reviewed by an INFX faculty member, using a department- approved rubric. The reviewer shall asses students on their ability to discuss whether the confidentiality requirement of security has been met, in context of a detailed description of two communicating parties, A and B. Course embedded assessment was measured by way of 14 students' submissions, as per an INFX 320 exam. As indicated earlier,

of the students shall	the assessment
earn an overall score	criteria are as
of 75% average or	follows: "At least 75%
higher on	of the students shall
evaluations."	earn an overall score
Assessment results	of 75% average or
indicate that 79% of	higher on
the students earned	evaluations."
an overall score of	Assessment results
75% or higher on	indicate that 79% of
evaluations. As such,	the students earned
the assessment goal	an overall score of
for Spring 2017 was	75% or higher on
MET. Detailed	evaluations. As such,
assessment results	the assessment goal
are shown in the	for Spring 2017 was
table in the	MET. Detailed
accompanying	assessment results
spreadsheet	are shown in the
document.	table in the
Preliminary "closing	accompanying
the loop" suggests	spreadsheet
that a repeat	document.
assessment should	Preliminary "closing
be considered for the	the loop" suggests
2017-2018	that a repeat
assessment cycle.	assessment should
	be considered for the
	2017-2018
	assessment cycle.
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Reflection (Due 9/15/17)

Reflection

1) How were assessment results shared in the unit?

Please select all that apply. If "other", please use the text box to elaborate. Distributed via email Presented formally at staff / department / committee meetings Discussed informally (selected) Other (explain in text box below)

2) How frequently were assessment results shared in the unit?

Frequently (>4 times per cycle)

Periodically (2-4 times per cycle) Once per cycle (selected) Results were not shared this cycle

3) With whom were assessment results shared?

Please select all that apply. Department Head Dean / Asst. or Assoc. Dean Departmental assessment committee Other faculty / staff (selected)

4) What were the measurable or perceivable effects on your current (2016-2017) findings based on prior action plans (created in 2015-2016)?

The "not met" finding for Goal 1 was somewhat surprising; however, we also suspect this may be an "outlier."

5) What has the unit learned from the current assessment cycle?

We intend to include the following in the current 2017-2018 assessment cycle:

Goal 1. Students' Professional and Graduate Studies Preparation

Prepare students to function professionally in the field of informatics and/or graduate studies in informatics or other related fields.

Attachments

Attachments

Upload any supporting documents related to your assessment plans, results, or improvements. Documents may include rubrics, survey questions, reports, etc. There is no limit to the number of documents you can upload.

Click "Select File" to upload document(s)

INFX_240_Assessment_Results_Worksheet.xlsx Informatics_Program_240_Assessment_Fall16.docx Final_INFX320.pdf Informatics_Program_320_Assessment__Goal_1__Spring_2017.docx INFX_320_Assessment_Results_Worksheet__Goal_1__Spring_2017.xlsx Informatics_Program_320_Assessment__Goal_2__Spring_2017.docx INFX_320_Assessment_Results_Worksheet__Goal_2__Spring_2017.xlsx