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 multi-institution 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 Learning Outcome/Objective (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 Outcome/Objective (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	Final_INFX320.pdf Informatics_Program_320_Assessment__Goal_2__Spring_2017.docx INFX_320_Assessment_Results_Worksheet__Goal_2__Spring_2017.xlsx

	75% average or higher on evaluations.	

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 Outcome/Objective (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.	Final_INFX320.pdf Informatics_Program_320_Assessment__Goal_1__Spring_2017.docx INFX_320_Assessment_Results_Worksheet__Goal_1__Spring_2017.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 - Student Learning 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.

Assessment Findings	

Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Writing Exam	Has the criterion At least 75% of the students shall earn an overall score of 75% average or higher on evaluations. 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 infrastructures, of varying complexity and configuration with respect to a variety of criteria relevant to the task, course-embedded assessment	INFX_240_Assessment_Results_Worksheet.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 infrastructures, of varying complexity and configuration with respect to a variety of criteria

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

			earned an overall score of 75% or higher on evaluations. As such, the assessment goal for Fall 2016 was NOT MET. Detailed assessment results are shown in the table in the accompanying spreadsheet document. Preliminary "closing the loop" suggests that a repeat assessment should be considered for the 2017-2018 assessment cycle. Results from Spring 2016 assessment should be helpful in making a final determination.		Assessment results indicate that 62% of the students earned an overall score of 75% or higher on evaluations. As such, the assessment goal for Fall 2016 was NOT MET. Detailed assessment results are shown in the table in the accompanying spreadsheet document. Preliminary "closing the loop" suggests that a repeat assessment should be considered for the 2017-2018 assessment cycle. Results from Spring 2016 assessment should be helpful in making a final determination.

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 scientific method.				
Legends	SLO - Student Learning 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.

Assessment Findings

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

Assessment Findings					

Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Writing Exam	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 Informatics, history of 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%		- 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 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,

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

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