

ACCREDITATION EVIDENCE

Title: Computer Science Program Previous and Revised Outcomes. Previous Outcomes are from AY2019, Revised Outcomes are form AY2022

Evidence Type: Corroborating

Date: 25 September 2022

WAN: 22-0449

Classification: Report

PII: No Redacted: No



Computer Science

Program Description

Computer Science involves design and innovation developed from computing principles. This two-year curriculum focuses on the theoretical foundations of computing, algorithms, and programming techniques, as applied to operating systems, artificial intelligence, informatics and the like. Upon graduation, students should be prepared to transfer to a four-year curriculum. Students initiating careers as computer scientists should be prepared to work in a broad range of positions involving tasks from theoretical work to software development.

Mission Statement

The Computer Science Program strives for excellence in teaching, endeavors to offer students a curriculum grounded in the fundamental principles and practices of computer science, and specifically aspires to:

- 1. Prepare students for full and ethical participation in a diverse society and encourage lifelong learning
- 2. Educate students in the best practices of the field as well as integrate the latest research into the curriculum
- 3. Foster the development of problem solving and communication skills as an integral component of the profession
- 4. Provide quality learning experiences through effective pedagogical practices, active learning styles of teaching, and opportunities for meaningful interactions between students, faculty, and community partners
- 5. Instill a high degree of professionalism and a clear understanding of ethical and legal issues in computer science

Student Learning Outcomes				
Target	Actual Result	Difference Score		
75.00%	%	%		

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OUTCOMES

SIO1	- Comn	nunicate	Compa	tently
OLO I	- COIIIII	iuiiicaie	COLLIDE	

Students will communicate competently in the CS field, using appropriate language and terminology.

Status	Target	Actual Result	Difference Score
Planning Stage	75.00%	%	%

MEASURES

1 - COSC 1010 Intro to CS: Terminology exam in subject matter.

Terminology exam in subject matter.

Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%

CRITERIA

1 - COSC 1010 Intro to CS: Terminology exam in subject matter.

Student average scores will be 75% or greater on a 20-point exam.

Criteria Type	Target	Actual Result	Difference Score
Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%

FINDINGS

MEASURES

2 - COSC 1010 Intro to CS: Participation in Group Discussions

Participation in Group Discussions

Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%

CRITERIA

1 - COSC 1010 Intro to CS: Participation in Group Discussions

Student average scores will be 75% or greater on a 40-point rubric in each discussion and writing.

Criteria Type	Target	Actual Result	Difference Score
Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%

FINDINGS

OUTCOMES

SLO 2 - Solve Problems

Students will demonstrate effective and ethical use of current technology and terminology appropriate to the CS field.

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	Program Detail	Report	
Status	Target	Actual Result	Difference Score
Planning Stage	75.00%	%	%
MEASURES			
- COSC 1010 Intro to CS: Computer S	Science concept exam results		
omputer Science concept exam results lese exams will be benchmarked.	s. Students complete 20 point	Computer Science conce	ept exams. The average of
Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%
CRITERIA			
1 - COSC 1010 Intro to CS: Computer	r Science concept exam resu	ts	
75% of students will score 80% or bet	ter on each concept exam.		
Criteria Type	Target	Actual Result	Difference Score
Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%
- COSC 1010 Intro to CS: Demonstra	tion of computer programmin	n projects	
emonstration of computer programmin	g projects. Students complete		amming projects each week
emonstration of computer programmin	g projects. Students complete		amming projects each week Difference Score
emonstration of computer programmin and are evaluated using the below rubric	g projects. Students complete c.	e 50 point computer progr	
emonstration of computer programmin nd are evaluated using the below rubric Measure Type	g projects. Students complete c. Target	e 50 point computer progr	Difference Score
emonstration of computer programmin nd are evaluated using the below rubric Measure Type N/A	g projects. Students complete c. Target 75.00%	2 50 point computer progr Actual Result %	Difference Score
emonstration of computer programmin nd are evaluated using the below rubric Measure Type N/A CRITERIA	g projects. Students complete c. Target 75.00%	Actual Result %	Difference Score %
emonstration of computer programmin and are evaluated using the below rubric Measure Type N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each prog	g projects. Students complete c. Target 75.00%	Actual Result %	Difference Score %
emonstration of computer programmin and are evaluated using the below rubric Measure Type N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each programticipated to reach the ideal target.	g projects. Students complete c. Target 75.00% tration of computer programm gramming project with the idea	Actual Result % ing projects at target of 80%. 75% pero	Difference Score % cent of students are
emonstration of computer programmin and are evaluated using the below rubric Measure Type N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each progranticipated to reach the ideal target. Criteria Type Benchmark Numeric Type:Percent	g projects. Students complete c. Target 75.00% tration of computer programm gramming project with the idea Target 75.00% Target Value:75.00%	Actual Result % alternative and projects alternative and target of 80%. 75% percentage and target of 80%. Actual Result % Actual Value:%	Difference Score % cent of students are Difference Score % Difference Value:%
emonstration of computer programmin and are evaluated using the below rubric Measure Type N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each progranticipated to reach the ideal target. Criteria Type Benchmark	g projects. Students complete c. Target 75.00% tration of computer programm gramming project with the idea Target 75.00%	Actual Result % ing projects al target of 80%. 75% pero	Difference Score % cent of students are Difference Score %
emonstration of computer programmin and are evaluated using the below rubric Measure Type N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each progranticipated to reach the ideal target. Criteria Type Benchmark Numeric Type:Percent Sample Size:0 FINDINGS	g projects. Students complete c. Target 75.00% tration of computer programm gramming project with the idea Target 75.00% Target Value:75.00%	Actual Result % alternative and projects alternative and target of 80%. 75% percentage and target of 80%. Actual Result % Actual Value:%	Difference Score % cent of students are Difference Score % Difference Value:%
emonstration of computer programmin and are evaluated using the below rubric Measure Type N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each progranticipated to reach the ideal target. Criteria Type Benchmark Numeric Type:Percent Sample Size:0 FINDINGS MEASURES	g projects. Students complete c. Target 75.00% tration of computer programm gramming project with the idea Target 75.00% Target Value:75.00% Met:0.00	Actual Result % alternative and the second of the second	Difference Score % cent of students are Difference Score % Difference Value:%
N/A CRITERIA 1 - COSC 1010 Intro to CS: Demonst Students will reach 75% on each prog anticipated to reach the ideal target. Criteria Type Benchmark Numeric Type:Percent Sample Size:0 FINDINGS	g projects. Students complete c. Target 75.00% tration of computer programm gramming project with the idea Target 75.00% Target Value:75.00% Met:0.00 computer programming projects. Students complete	Actual Result % ing projects al target of 80%. 75% pero Actual Result % Actual Value:% Not Met:0	Difference Score % Cent of students are Difference Score % Difference Value:% % Met:%

	Program Detail	Report				
N/A	75.00%	%	%			
CRITERIA						
1 - COSC 1030 CS I: Demonstration	of computer programming pro	pjects				
Students will reach 75% on each programing projects with the ideal target of 80%. 75% percent of students are an to reach the ideal target.						
Criteria Type	Target	Actual Result	Difference Score			
Benchmark	75.00%	%	%			
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%			
Sample Size:0	Met:0.00	Not Met:0	% Met:%			
FINDINGS						
OUTCOMES						
3 - Develop Life Skills						
lents will demonstrate general knowle ument, and implement programs.	edge of computer systems incl	uding using various progra	amming languages to desig			
Status	Target	Actual Result	Difference Score			
Planning Stage	75.00%	%	%			
emonstration of programming projects sing the below rubric. Evaluate midter		nplete program challenge	projects which are graded			
Measure Type	Target	Actual Result	Difference Score			
N/A	75.00%	%	%			
CRITERIA						
1 - COSC 1010 Intro to CS: Demonst	tration of programming project	S				
Students will reach an average score would reach an average of 80%.	of 75% on the midterm progra	am challenge project. Idea	al target would be students			
Criteria Type	Target	Actual Result	Difference Score			
Benchmark	75.00%	%	%			
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%			
Sample Size:0	Met:0.00	Not Met:0	% Met:%			
FINDINGS						
MEASURES						
- COSC 1010 Intro to CS: Demonstra	tion of programming projects					
emonstration of programming projects sing the below rubric. Evaluate final pr		nplete program challenge	projects which are graded			
Measure Type	Target	Actual Result	Difference Score			

	Program Detail	Report	
N/A	75.00%	%	%
CRITERIA			
1 - COSC 1010 Intro to CS: Demonst	ration of programming project	S	
Students will reach an average score students would reach an average of 8		erm program challenge pi	roject. Ideal target would be
Criteria Type	Target	Actual Result	Difference Score
Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%
FINDINGS			
MEASURES			
3 - COSC 1030 CS I: Demonstration of	programming projects		
Demonstration of programming projects using the below rubric. Evaluate midter		nplete program challenge	projects which are graded
Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%
1 - COSC 1030 CS I: Demonstration Students will reach an average score students would reach an average of 8	of 75% on the 100-point midt 30%.		-
Criteria Type	Target	Actual Result	Difference Score
Benchmark Numerie Type: Percent	75.00%	% Actual Value:%	% Difference Value:%
Numeric Type:Percent Sample Size:0	Target Value:75.00% Met:0.00	Not Met:0	% Met:%
FINDINGS MEASURES 4 - COSC 1030 CS I: Demonstration of			/o mea/o
Demonstration of programming projects using the below rubric. Evaluate final pr		nplete program challenge	projects which are graded
Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%
CRITERIA 1 - COSC 1030 CS I: Demonstration	of programming projects		
Students will reach an average score students would reach an average of 8		erm program challenge pi	roject. Ideal target would be
Criteria Type	Target	Actual Result	Difference Score

Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%
FINDINGS			

OUTCOMES

SLO 4 - Develop Life Skills and Solve Problems

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Status Target Actual Result Difference Score

SLO 4 - Develop Life Skills and Solve Problems

Web development students will plan, design, develop, and maintain interactive dynamic Internet web pages using web authoring tools and scripting languages.

Status	Target	Actual Result	Difference Score
Planning Stage	75.00%	%	%

MEASURES

1 - COSC 1350 Web Dev I: Students will complete their own website with the skills they have learned throughout the course

Students will complete their own website with the skills they have learned throughout the course. 50 point assignments (total of 7) is used to determine if this assessment is met.

Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%

CRITERIA

1 - COSC 1350 Web Dev I: Students will complete their own website with the skills they have learned throughout the course

COSC 1350 (Spr 2018) Students will reach an average score of 75% on 7 - 50 point weekly website assignments. Ideal target would be students would reach an average of 80%.

Criteria Type	Target	Actual Result	Difference Score
Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%

FINDINGS

MEASURES

2 - COSC 2350 Web Dev II: Students will complete a project website with the skills they have learned throughout the course

Students will complete a project website with the skills they have learned throughout the course. 50 point weekly website assignment is used to determine if this assessment is met.

Measure Type	Target	Actual Result	Difference Score
N/A	75.00%	%	%

CRITERIA

1 - COSC 2350 Web Dev II: Students will complete a project website with the skills they have learned throughout the course

COSC 2350 (Fall 2017) Students will reach an average score of 75% on the 50 point weekly website assignments. Ideal target would be students would reach an average of 80%.

Criteria Type	Target	Actual Result	Difference Score
Benchmark	75.00%	%	%
Numeric Type:Percent	Target Value:75.00%	Actual Value:%	Difference Value:%
Sample Size:0	Met:0.00	Not Met:0	% Met:%

FINDINGS

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Program Members

Robertson, Tammy

Courses	
Course Title	Sequence
COSC_1010 - INTRO TO COMPUTER SCIENCE I	1
COSC_1030 - COMPUTER SCIENCE I	2
COSC_2030 - COMP SCIENCE II	3
COSC_2300 - DISCRETE STRUCTURES	4
COSC_1350 - WEB DEVELOPMENT I	5
COSC_2350 - WEB DEVELOPMENT II	6
COSC_2409 - TOPICS	7
COSC_2490 - PROGRAMMING:	8
COSC_2360 - WEB PAGE DYNAMICS & SCRIPTING	9
COSC_2800 - COMP SCI PORTFOLIO/CAPSTN	10
IMGT_2400 - INTRO TO INFO MANAGMENT	11
COSC_1200 - COMPUTER INFO SYSTEMS	12
COSC_1360 - PC SUPPORT TECHNICIAN:	13
COSC_2470 - INTERNSHIP: COMPUTER SCI	14
MATH_2300 - DISCRETE STRUCTURES	15
COSC_1100 - COMPUTER SCI PRINCPL & PRACTC	16
COSC_2465 - DIRECTED STUDY: COMP SCIENCE	17

Program Goals

No Program Goals to Display

Planning Units

No Planning Units to Display

Associated Objectives

No Objectives to Display

Associated Standards

- No Standards to Display

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Computer Science

Program Description

Computer Science involves design and innovation developed from computing principles. This two-year curriculum focuses on the theoretical foundations of computing, algorithms, and programming techniques, as applied to operating systems, artificial intelligence, informatics and the like. Upon graduation, students should be prepared to transfer to a four-year curriculum. Students initiating careers as computer scientists should be prepared to work in a broad range of positions involving tasks from theoretical work to software development.

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Program Learning Outcomes		
Target	Actual Result	Difference Score
73.00%	87.73%	14.73%

OUTCOMES

PLO1 - Computer Science Fundamentals, Common Themes, and Principles.

Students will develop a technical understanding of computer science fundamentals, common themes, and principles.

•	•		•	
Status	Target	Actual Result	Difference Score	
Data Collection Stage	81.67%	75.87%	-5.80%	

MEASURES

1 - COSC 1010 Final Exam Part 2

The final exam administered in COSC 1010. Students will be measured on part 2 of a two-part exam.

Measure Type	Target	Actual Result	Difference Score
Exam	70.00%	91.25%	21.25%

CRITERIA

1 - 70% of students score 70% or higher.

70% of students score 70% or higher.

Criteria Type	Target	Actual Result	Difference Score
Benchmark	70.00%	91.25%	19.47%
Numeric Type:Percent	Target Value:70.00%	Actual Value:91.25%	Difference Value:19.47%
Sample Size:38	Met:34.00	Not Met:4	% Met:91.25%

Date: 5/10/2022	Course: INTRO TO COM	MPUTER SCIENCE I	
	Class:2022 SPRING-63	75-0Robertson, Tammy	
Measure Type	Target	Actual Result	Difference Score
Exam	70.00%	87.50%	17.50%
Numeric Type:Percent	Target Value:70.00%	Actual Value:87.50%	Difference Value: 17.50%
Numeric Type:Percent	Target Value:14	Actual Value:2	Difference Value: 87.5%
Date: 3/1/2022	Course: INTRO TO COM	MPUTER SCIENCE I	
	Class:2021 FALL-4732-	0Robertson, Tammy	
Three students did not cor	nplete the assignment.	I	
Measure Type	Target	Actual Result	Difference Score
Exam	70.00%	90.00%	20.00%
Numeric Type:Percent	Target Value:70.00%	Actual Value:90.00%	Difference Value: 20.00%
Numeric Type:Percent	Target Value:9	Actual Value:1	Difference Value: 90%
Date: 3/1/2022	Course: INTRO TO COM	MPUTER SCIENCE I	
	Class:2021 FALL-4733-	0Robertson, Tammy	
Three students did not cor	nplete this assignment.	ı	
Measure Type	Target	Actual Result	Difference Score
Exam	70.00%	87.50%	17.50%
Numeric Type:Percent	Target Value:70.00%	Actual Value:87.50%	Difference Value: 17.50%
Numeric Type:Percent	Target Value:7	Actual Value:1	Difference Value: 87.5%
Date: 3/1/2022	Course: INTRO TO COM	MPUTER SCIENCE I	
	Class:2021 FALL-6953-0	0Robertson, Tammy	
One student did not compl		,	
Measure Type	Target	Actual Result	Difference Score
Exam	70.00%	100.00%	30.00%
Numeric Type:Percent	Target Value:70.00%	Actual Value:100.00%	Difference Value: 30.00%
Numeric Type:Percent	Target Value:4	Actual Value:0	Difference Value: 100%
MEASURES			

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	- 3				
Measure Type	7	Target	Actual Resul	t Difference Score	
Exam	3	35.00%	36.36%	-48.64%	
CRITERIA	'			'	
- 85% of students get 75% of	or better				
5% of students get 75% or b					
Criteria Type		arget	Actual Result	Difference Score	
Benchmark		5.00%	36.36%	-48.64%	
Numeric Type:Percer		alue:85.00%	Actual Value:36.3		
Sample Size:11		et:4.00	Not Met:7.0004		
FINDINGS	O DIOODET	- 0			
Date: 5/10/2022	Course: DISCRET	ESTRUCTURES			
	Class:2022 SPRIN	G-7162-0Robe	rtson, Tammy		
Measure Type	Target	Acti	ual Result	Difference Score	
Exam	85.00%		36.36%	-48.64%	
Numeric Type:Percent	Target Value:85.0	t Value:85.00% Actual Value:36.36%		Difference Value: -48.64%	
Numeric Type:Percent	Target Value:4	Actu	ual Value:7	Difference Value: 36.36%	
MEASURES					
COSC 2800 Lesson Plans					
SC 2800 Lesson Plans. Stat	e standards.				
Measure Type	1		Actual Resul	t Difference Score	
Lesson Plans		0.00%	400.000/		
		0.00 /6	100.00%	10.00%	
00.000		76	100.00%	10.00%	
CRITERIA		10.00 %	100.00%	10.00%	
- 90% of students get 90%	or higher	70.0076	100.00%	10.00%	
- 90% of students get 90% of students get 90% or h	or higher nigher				
- 90% of students get 90% of of students get 90% or h	or higher nigher	arget	Actual Result	Difference Score	
- 90% of students get 90% of 0% of students get 90% or h Criteria Type Benchmark	or higher nigher T	arget 0.00%	Actual Result 100.00%	Difference Score 10.00%	
- 90% of students get 90% of 0% of students get 90% or h Criteria Type Benchmark Numeric Type:Percer	or higher higher T 90 Target V	arget 0.00% alue:90.00%	Actual Result 100.00% Actual Value:100.0	Difference Score 10.00% Difference Value:10.009	
- 90% of students get 90% or h Criteria Type Benchmark Numeric Type:Percer Sample Size:5	or higher higher T 90 Target V	arget 0.00%	Actual Result 100.00%	Difference Score 10.00%	
- 90% of students get 90% or h Criteria Type Benchmark Numeric Type:Percer Sample Size:5 FINDINGS	or higher higher T 90 ht Target V	arget 0.00% alue:90.00% et:5.00	Actual Result 100.00% Actual Value:100.0 Not Met:0	Difference Score 10.00% Difference Value:10.009	
- 90% of students get 90% or h Criteria Type Benchmark Numeric Type:Percer Sample Size:5	or higher higher T 90 Target V	arget 0.00% alue:90.00% et:5.00	Actual Result 100.00% Actual Value:100.0 Not Met:0	Difference Score 10.00% Difference Value:10.009	

Lesson Plans90.00%100.00%10.00%Numeric Type:PercentTarget Value:90.00%Actual Value:100.00%Difference Value: 10.00%Numeric Type:PercentTarget Value:5Actual Value:0Difference Value: 100%	Measure Type	Target	Actual Result	Difference Score
	Lesson Plans	90.00%	100.00%	10.00%
Numeric Type:Percent Target Value:5 Actual Value:0 Difference Value: 100%	Numeric Type:Percent	Target Value:90.00%	Actual Value:100.00%	Difference Value: 10.00%
, , , , , , , , , , , , , , , , , , ,	Numeric Type:Percent	Target Value:5	Actual Value:0	Difference Value: 100%

Numeric Type:Percent	Target Value:5		Act	Actual Value:0		ifference Value: 100%	
OUTCOMES							
.02 - Problem-Solving Skills							
udents will apply problem-solving	g skills.						
Status		Target		Actual Resu	lt	Difference Score	
Data Collection Stage		65.00%		89.26%		24.26%	
MEASURES							
1 - COSC 1010 Programming Cl	nallenges						
Average summative assessment	of all program	ming challeng	jes.				
Measure Type		Target		Actual Resi	ult	Difference Score	
Project		50.00%		78.52%		28.52%	
ODITEDIA							
CRITERIA 1 - 50% will average a C or be	ttor by the and	of the term					
50% will average a C or better	•						
-	by the end of				14	D''' 0	
	Criteria Type Target Actual Resu				it	Difference Score	
Benchmark Numeria Type Paragon	Tor	50.00% get Value:50.	000/	78.52% Actual Value:78.52%		25.00% Difference Value:25.00%	
Numeric Type:Percen Sample Size:44	l I al	Met:33.00	00%	Not Met:10.99		% Met:78.52%	
Campic Gizo.44		WC1.33.00		NOT WICE 10.33	- J.Z.	70 WIGU.70.3270	
FINDINGS							
Date: 5/10/2022	Course: INTR	О ТО СОМРІ	JTER S	SCIENCE I			
	Class:2022 S	PRING-6375-	0Rob	ertson, Tammy			
Measure Type	Targe	et	Actual Result			Difference Score	
Project	50.00	%		87.50%		37.50%	
Numeric Type:Percent	Target Value	:50.00%	Actual	Value:87.50%		fference Value: 37.50%	
Numeric Type:Percent	Target Va	lue:14	Act	tual Value:2	D	ifference Value: 87.5%	
Date: 3/1/2022	Course: INTR	О ТО СОМРІ	JTER S	SCIENCE I			
	Class:2021 F	ALL-4732-0F	Roberts	on, Tammy			
Measure Type	Targe	et	Act	tual Result		Difference Score	

	riogian	. Dotaii	. topoit			
Project	50.00%	53	3.85%	3.85%		
Numeric Type:Percent	Target Value:50.00%	Actual V	alue:53.85%	Difference Value: 3.85%		
Numeric Type:Percent	Target Value:7	Actua	al Value:6	Difference Value: 53.85%		
Date: 3/1/2022	Course: INTRO TO CON	MPUTER SC	IENCE I			
	Class:2021 FALL-4733-	0Robertsor	n, Tammy			
Measure Type	Target	Actua	al Result	Difference Score		
Project	50.00%	72	2.73%	22.73%		
Numeric Type:Percent	Target Value:50.00%	Actual V	alue:72.73%	Difference Value: 22.73%		
Numeric Type:Percent	Target Value:8	Actua	al Value:3	Difference Value: 72.73%		
Date: 3/1/2022 Course: INTRO TO COMPUTER SCIENCE I						
Class:2021 FALL-6953-0Robertson, Tammy						
One student (out of 5) did r	not complete any program	ming challen	iges.			
Measure Type	Target	Actua	al Result	Difference Score		
Project	50.00%	50.00% 100.00%		50.00%		
Numeric Type:Percent	Target Value:50.00%	t Value:50.00% Actual Value:100.00%		Difference Value: 50.00%		
Numeric Type:Percent	Target Value:4	Actua	al Value:0	Difference Value: 100%		
MEASURES COSC 2030 Programming Commative average of programm						
Measure Type	Targe	t	Actual Result	t Difference Score		
Project	80.00	%	100.00%	20.00%		
CRITERIA - 80% of students will average 70% of students will average 71			m			
Criteria Type	Target	:	Actual Result	Difference Score		
Benchmark	80.00%	ó	100.00%	20.00%		
Numeric Type:Percen	t Target Value:	80.00%	Actual Value:100.0	D0% Difference Value:20.0		
Sample Size:2	Met:2.0	0	Not Met:0	% Met:100.00%		
FINDINGS Date: 5/10/2022	Course: COMP SCIENC	CE II				
	Class:2022 SPRING-74	29-0Robert	son, Tammy			

Measure Type	Target	Actual Result	Difference Score
Project	80.00%	100.00%	20.00%
Numeric Type:Percent	Target Value:80.00%	Actual Value:100.00%	Difference Value: 20.00%
Numeric Type:Percent	Target Value:2	Actual Value:0	Difference Value: 100%

Numeric Type:Percent	Target Value:80.00%	Actual Value:100.00	U% D	Ifference Value: 20.00%
Numeric Type:Percent	Target Value:2	Actual Value:0		Difference Value: 100%
OUTCOMES				
3 - Communication and Organi	zation Skills			
ents will demonstrate commun		skills in the computer s	cience field.	
Status	Target	Actual	l Result	Difference Score
Planning Stage	66.67%	85.	36%	18.69%
MEASURES				
COSC 1010 Discussion Board	ds			
SC 1010 Average score of dis	cussion boards.			
Measure Type	Targe	t Actua	al Result	Difference Score
Discussion Boards	90.00	% 56	6.07%	-33.93%
CRITERIA				
I - In all sections of COSC 101	_	•		
n all sections of COSC 1010 S	tudents will average 90%	6 or higher on discussion	on boards	
Criteria Type	Target	Actua	l Result	Difference Score
Benchmark	90.00%	56.	.07%	-42.38%
Numeric Type:Percent	Target Value:	90.00% Actual Va	lue:56.07%	Difference Value:-42.3
Sample Size:42	Met:20.0	00 Not Me	t:22.0004	% Met:56.07%
FINDINGS				
Date: 5/10/2022	Course: INTRO TO COM	MPUTER SCIENCE I		
	Class:2022 SPRING-63	75-0Robertson, Tamr	my	
In addition to the five studen				did not participate in
discussions; therefore, they				
Measure Type	Target	Actual Result		Difference Score
Discussion Boards	90.00%	57.14%		-32.86%
Numeric Type:Percent	Target Value:90.00%	Actual Value:57.14	!% D	ifference Value: -32.86%
Numeric Type:Percent	Target Value:8	Actual Value:6	D	ifference Value: 57.14%
Date: 3/2/2022	Course: INTRO TO COM	MPUTER SCIENCE I		
	Class:2021 FALL-4732-	ORobertson, Tammy		
Many students would just no		•		

		•	
Discussion Boards	90.00%	30.77%	-59.23%
Numeric Type:Percent	Target Value:90.00%	Actual Value:30.77%	Difference Value: -59.23%
Numeric Type:Percent	Target Value:4	Actual Value:9	Difference Value: 30.77%
Date: 3/2/2022	Course: INTRO TO COM	MPUTER SCIENCE I	
	Class:2021 FALL-4733-0)Robertson, Tammy	
Many students would just r		•	
Measure Type	Target	Actual Result	Difference Score
Discussion Boards	90.00%	36.36%	-53.64%
Numeric Type:Percent	Target Value:90.00%	Actual Value:36.36%	Difference Value: -53.64%
Numeric Type:Percent	Target Value:4	Actual Value:7	Difference Value: 36.36%
Date: 3/2/2022	Course: INTRO TO COM	/PUTER SCIENCE I	
One student did not comple	Class:2021 FALL-6953-(JRobertson, rammy	
One student did not comple	•	A stood D a solf	D://
Measure Type	Target	Actual Result	Difference Score
Discussion Boards Numeric Type:Percent	90.00% Target Value:90.00%	100.00% Actual Value:100.00%	10.00% Difference Value: 10.00%
Numeric Type:Percent	Target Value:4	Actual Value:0	Difference Value: 100%
rtamono Typon orocni	raigot value. 1	Notaal Valao.o	Billoronoo valao. 10070
MEASURES			
OSC 2030 Group Project			
C 2030 Group Project			
Measure Type	Targe	t Actual Res	Sult Difference Score
Project	10.009	% 100.00%	6 90.00%
CRITERIA			
COSC 2030 Group Project	t Rating		
SC 2030 Group Project Ra	ating 10/10		
Criteria Type	Target	Actual Res	ult Difference Score
Benchmark	10.00%	100.00%	90.00%
Numeric Type:Percen	nt Target Value:	10.00% Actual Value:10	0.00% Difference Value:90.00
Sample Size:2	Met:2.00	O Not Met:0	% Met:100.00%
FINDINGS			
Date: 5/10/2022	Course: COMP SCIENC	EII	
	Class:2022 SPRING-742	29-0Robertson, Tammy	
		•	I

		Program	Detail	Keport		
Measure Type		Target	Actu	al Result		Difference Score
Project		10.00%	100.00%			90.00%
Numeric Type:Pero	ent Targe	t Value:10.00%	.00% Actual Value:100.00%		Dif	ference Value: 90.00%
Numeric Type:Perc	ent Ta	rget Value:2 Actual Value:0		al Value:0	D	ifference Value: 100%
MEASURES						
COSC 2800 Peer Review	7/W					
SC 2800 Peer Review						
	-				L.	D''' 0
Measure Type	•	Targe		Actual Resu	ult	Difference Score
Assignment		100.00) %	100.00%		0.00%
CRITERIA						
- Students achieve 100)% on Peer R	eview Assignmen	ıt			
students achieve 100%	on Peer Revie	ew Assignment				
Criteria Ty		Target		Actual Resu	lt	Difference Score
Benchmar		100.00%		100.00%		0.00%
Numeric Type:P		Target Value:1		Actual Value:100	.00%	Difference Value:0.00%
Sample Size		Met:5.0		Not Met:0		% Met:100.00%
FINDINGS						
Date: 5/10/2022	Course	: COMP SCI POI	RTFOLIO/C	APSTN		
	Class:2	2022 SPRING-63	83-0Rober	tson, Tammy		
Measure Type		Target	Actu	al Result		Difference Score
Assignment		100.00%	10	00.00%		0.00%
				1 400 000/	Di	fference Value: 0.00%
Numeric Type:Pero	ent Target	Value:100.00%	Actual V	alue:100.00%	DI	ilciciicc value. 0.0070

OUTCOMES			
PLO4 - Awareness of the Broad Applicat	ility of Computing		
Students will establish an awareness of t	he broad applicability of cor	mputing technologies.	
Status	Target	Actual Result	Difference Score
Planning Stage	56.67%	93.33%	36.67%
MEASURES			
MEASURES 1 - COSC 1100 Ethical Considerations	Paper		
	•		

Paper	10.00)%	100.00%	90.00%
CRITERIA				
	uccessfully (70% or highe	er) describe t	five separate ethica	al concerns specific to tecnology.
'0% of the students will succe	essfully (70% or higher) c	lescribe five	separate ethical c	oncerns specific to tecnology.
Criteria Type	Targe	et	Actual Resu	It Difference Score
Benchmark	10.009		100.00%	90.00%
Numeric Type:Percer			Actual Value:100	
Sample Size:1	Met:1.		Not Met:0	% Met:100.00%
FINDINGS	Causas COMPLITED (NOI DDINOD	N 0 DDAGTO	
Date: 5/10/2022	Course: COMPUTER S	SCI PRINCP	L & PRACTO	
	Class:2022 SPRING-74	428-0Robe	ertson, Tammy	
Measure Type	Target	Target Actual Result		Difference Score
Paper	10.00%	10.00%		90.00%
Numeric Type:Percent	Target Value:10.00%	t Value:10.00% Actual Value:100.00%		Difference Value: 90.00%
Numeric Type:Percent	Target Value:1	Act	ual Value:0	Difference Value: 100%
MEASURES				
COSC 2800 Discussion Boa	rds			
SC 2800 Discussion Boards				
Measure Type	Targ	et	Actual Res	ult Difference Score
Discussion Boards	90.00)%	80.00%	-10.00%
CRITERIA				
- Students will average 90%				
Students will average 90% or	better on discussion boa	rds.		
Criteria Type	Targe	et	Actual Resu	It Difference Score
Benchmark	90.00	%	80.00%	-10.00%
Numeric Type:Percer			Actual Value:80	.00% Difference Value:-10.00
Sample Size:5	Met:4.0	00	Not Met:1	% Met:80.00%
FINDINGS				
Date: 5/10/2022	Course: COMP SCI PC	RTFOLIO/0	CAPSTN	
	Class:2022 SPRING-63	383-0Robe	ertson, Tammv	
			, -	
Measure Type	Target	Δct	ual Result	Difference Score
measure Type	l al got	701	adi Noouit	Dillorollog Goole

		og. a	. Dotaii	Report			
Discussion Boards	soards 90.00%		8	80.00%		-10.00%	
Numeric Type:Perce	ent Target V	Value:90.00% Actual Value:80.00%		Diffe	erence Value: -10.00%		
Numeric Type:Perce	ent Targe	rget Value:4 Actual Value:1		Dit	fference Value: 80%		
MEASURES							
COSC 1010 Reflection							
SC 1010 Reflection pape	er.						
Measure Type	Measure Type		t	Actual Resu	ılt	Difference Score	
Paper		70.009	%	100.00%		30.00%	
CRITERIA							
- 70% of the students wiggst impact on them and				dentify five conce	epts from t	he course that has ha	
0% of the students will biggst impact on them and				ntify five concepts	from the	course that has had th	
.9901 рабі біт шібіт апт	, , ,						
Criteria Type		Target		Actual Resu	lt	Difference Score	
			t	Actual Resu	lt	Difference Score	
Criteria Type	9	Target	6				
Criteria Type Benchmark	rcent	Target 70.00%	70.00%	100.00%		30.00%	
Criteria Type Benchmark Numeric Type:Pe	rcent	Target 70.00% Target Value:	70.00%	100.00% Actual Value:100		30.00% Difference Value:30.0	
Criteria Type Benchmark Numeric Type:Pe Sample Size:1	rcent	Target 70.00% Target Value:	70.00%	100.00% Actual Value:100 Not Met:0		30.00% Difference Value:30.0	
Criteria Type Benchmark Numeric Type:Pe Sample Size:1	rcent 1 Course: If	Target 70.00% Target Value: Met:11.0	70.00% 00 MPUTER SC	100.00% Actual Value:100 Not Met:0		30.00% Difference Value:30.0	
Criteria Type Benchmark Numeric Type:Pe Sample Size:1	rcent 1 Course: If	Target 70.00% Target Value: Met:11.0	70.00% 00 MPUTER SC	100.00% Actual Value:100 Not Met:0		30.00% Difference Value:30.0	
Criteria Type Benchmark Numeric Type:Pe Sample Size:1	rcent 1 Course: If	Target 70.00% Target Value: Met:11.0	70.00% 00 MPUTER SC 75-0Robert	100.00% Actual Value:100 Not Met:0	0.00%	30.00% Difference Value:30.0	
Criteria Type Benchmark Numeric Type:Pe Sample Size:1 FINDINGS Date: 5/10/2022	rcent Course: If Class:202	Target 70.00% Target Value: Met:11.0	70.00% 70.00% MPUTER SO 75-0Robert	Actual Value:100 Not Met:0	0.00%	30.00% Difference Value:30.0 % Met:100.00%	
Criteria Type Benchmark Numeric Type:Pe Sample Size:1 FINDINGS Date: 5/10/2022	rcent Course: If Class:202	Target 70.00% Target Value: Met:11.0 NTRO TO COM 22 SPRING-63	70.00% 70.00% MPUTER SC 75-0Robert	Actual Value:100 Not Met:0 CIENCE I tson, Tammy	.00%	30.00% Difference Value:30.0 % Met:100.00% Difference Score	

PLO5 - Appreciation of Domain-Specific Knowledge

Students will develop an appreciation of domain-specific knowledge and identify the competencies needed by computer science professionals.

Status	Target	Actual Result	Difference Score			
Planning Stage	95.00%	100.00%	5.00%			
MEASURES						
1 - COSC 2030 Group Project						
Working program produced by the group project.						
Measure Type	Target	Actual Result	Difference Score			

		3				
Project		90.00	%	100.00%		10.00%
CRITERIA						
1 - Students will score 90% of	or higher a	and produce a wo	rking progra	am		
Students will score 90% or h	•	•				
Criteria Type		Target		Actual Resu	lt	Difference Score
Benchmark		90.00%	10.00%			
Numeric Type:Perce	ent	Target Value:		100.00% Actual Value:100	0.00%	Difference Value:10.00%
Sample Size:2		Met:2.0		Not Met:0		% Met:100.00%
FINDINGS	0	. COMP COIENC	\F II			
Date: 5/10/2022		: COMP SCIENC				
	Class:2	2022 SPRING-74	29-0Robe	rtson, Tammy		
Measure Type		Target Actual Result		ual Result		Difference Score
Project		90.00% 100.00%		00.00%		10.00%
Numeric Type:Percent	Targe	t Value:90.00% Actual Value:100.00%		D	ifference Value: 10.00%	
Numeric Type:Percent	Та	rget Value:2 Actual Value:0				Difference Value: 100%
MEASURES						
- COSC 2800 Lesson Plans						
OSC 2800 Lesson Plans app	lied to cla	ssrooms.				
Measure Type		Targe	t	Actual Resi	ult	Difference Score
Lesson Plans		100.00	1%	100.00%		0.00%
CRITERIA	4h i- 1-					
1 - Students will score 100%						
Students will score 100% on	their less				_	
Criteria Type		Target		Actual Result		Difference Score
Benchmark		100.009		100.00%	000/	0.00%
Numeric Type:Perce	ent	Target Value:1 Met:5.0		Actual Value:100 Not Met:0	0.00%	Difference Value:0.00%
Sample Size:5		<u> </u>	0	Not Wet.0		% Met:100.00%
FINDINGS						
Date: 5/10/2022	Course	: COMP SCI POI	RTFOLIO/C	CAPSTN		
	Class:2	2022 SPRING-63	83-0Robe	rtson, Tammy		
Measure Type		Target	Actu	ual Result		Difference Score

Lesson Plans	100.00%	100.00%	0.00%
Numeric Type:Percent	Target Value:100.00%	Actual Value:100.00%	Difference Value: 0.00%
Numeric Type:Percent	Target Value:5	Actual Value:0	Difference Value: 100%

Program Members

Robertson, Tammy

Courses	
Course Title	Seguence
COSC_1010 - INTRO TO COMPUTER SCIENCE I	1
COSC_1030 - COMPUTER SCIENCE I	2
COSC_2030 - COMP SCIENCE II	3
COSC_2300 - DISCRETE STRUCTURES	4
COSC_1350 - WEB DEVELOPMENT I	5
COSC_2350 - WEB DEVELOPMENT II	6
COSC_2409 - TOPICS	7
COSC_2490 - PROGRAMMING:	8
COSC_2360 - WEB PAGE DYNAMICS & SCRIPTING	9
COSC_2800 - COMP SCI PORTFOLIO/CAPSTN	10
IMGT_2400 - INTRO TO INFO MANAGMENT	11
COSC_1200 - COMPUTER INFO SYSTEMS	12
COSC_1360 - PC SUPPORT TECHNICIAN:	13
COSC_2470 - INTERNSHIP: COMPUTER SCI	14
MATH_2300 - DISCRETE STRUCTURES	15
COSC_1100 - COMPUTER SCI PRINCPL & PRACTC	16
COSC_2465 - DIRECTED STUDY: COMP SCIENCE	17

Program Goals

No Program Goals to Display

Planning Units

No Planning Units to Display

Associated Objectives

No Objectives to Display

Associated Standards

- No Standards to Display

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