Computer and Information Science (BS)

Program-198

Annual Assessment Plan



PLO #1 - Identify solutions (ULO 2)

Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions

Outcome(s)

1 Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

o ULO 2 - Breadth and Depth of Knowledge

Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	70%	Annually
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Mastery"-level course	85%	Annually
learning outcomes linked to		

In one sequence, namely CIS 284, CIS 384, students were not successful. In CIS 332, students were not successful. The other courses met the target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

PLO#1 is not associated with CIS 181 and it should be.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal oriented action plan can be made.

- Closing the Loop If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.
 - 1. Insure early linking of assignments to CLOS. PROGRESS: The linking was done prior to the semester grade deadline.
 - 2. Follow-up with adjunct faculty regarding appropriate difficulty for assessments. PROGRESS: A review of the applicability of PLO#1 in earlier classes needs to be done.

3 PLO #2 - Solve given problem (ULO 4)

Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline

Outcome(s)

1 Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

ULO 4 - Specialized Skills and Scholarship

3 Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	70%	Annually
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Mastery"-level course learning outcomes linked to the PLO	85%	Annually

In 4 of the 6 courses, students met the target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

Details are needed to determine how students did on assignments so that an action plan can be targeted. In addition, it would be helpful to determine if the linkages are accurate.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal oriented action plan can be made.

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

No further action at this time.

PLO #3 - Communication (ULO 4)

Communicate effectively in a variety of professional contexts

Outcome(s)

1 Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

ULO 4 - Specialized Skills and Scholarship

Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	75%	Assessed annually
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Assessed annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Mastery"-level course learning outcomes linked to the PLO	85%	Assessed annually

Students have met their target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

Some of the courses that should be used for this PLO have no data. They are taught by an adjunct, so either the linkages were not done or the mapping isn't correct.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal oriented action plan can be made.

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

1. Insure early linking of assignments to CLOS.

PROGRESS: This still needs to be addressed.

2. Follow-up with adjunct faculty regarding appropriate difficulty for assessments.

PROGRESS: This still needs to be adressed

5 PLO #4 - Ethics (ULO 4)

Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles

Outcome(s)

Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

ULO 4 - Specialized Skills and Scholarship

Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	70%	Annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Annually
"Proficient"-level achievement or better across all "Mastery"-level course	85%	Annually
learning outcomes linked to		

Only 1 course is identified with this PLO in which students met the target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

Course mapping needs to be checked to determine if there is only 1 course being assessed.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal-oriented action plan can be made.

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

Assignments for the courses that deal with ethics need to be discussed as a CIS sub-committee. Specific assignments, agreed to by the CIS sub-committee will be implemented.

PROGRESS: A time needs to be set to discuss this.

6 PLO #5 - Team (ULO 4)

Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline

Outcome(s)

1 Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

- ULO 4 Specialized Skills and Scholarship
- 3 Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	70%	Annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Annually
"Proficient"-level achievement or better across all "Mastery"-level course	85%	Annually
learning outcomes linked to		

In 3 of the 4 courses student met the target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

As a subcommittee, we need to discuss how to assess this PLO in our courses that have team work. Currently, in many courses that have team assignment, the whole assignment is tied to this PLO, however, that is not an indication of how the student did as a member of the team.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal oriented action plan can be made.

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

1. Insure early linking of assignments to CLOS.

PROGRESS: It is not apparent if courses are mapped correctly to this PLO.

PLO #6 - Produce solution (ULO 4)

Apply computer science theory and software development fundamentals to produce computing-based solutions

Outcome(s)

1 Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

- ULO 4 Specialized Skills and Scholarship
- Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	70%	Annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Annually
"Proficient"-level achievement or better across all "Mastery"-level course learning outcomes linked to the PLO	85%	Annually

In 7 of the 9 courses, student met the target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

Look at the assignments associated with this PLO to determine if more granular linkages are necessary.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal oriented action plan can be made.

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

No actions planned at this time.

8 PLO #7 - Faith (ULO 3)

Explain how faith connects to their discipline

Outcome(s)

Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

- ULO 3 Faith Knowledge & Application
- Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	70%	Annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Annually
"Proficient"-level achievement or better across all "Mastery"-level course learning outcomes linked to the PLO	85%	Annually

Students met the target.

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

As a subcommittee, we need to discuss appropriate assignments for this PLO in more courses.

We need to be able to access AEFIS data directly to better understand specifics of why students were not successful so that a more goal oriented action plan can be made.

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

Assignments for the courses that deal with faith will be discussed as a CIS sub-committee. Specific assignments, agreed to by the CIS sub-committee will be implemented.

PROGRESS: This still needs to be done.

PLO #8 - Vocation (ULO 5)

Explain how the biblical call to vocation relates to their potential career options

Outcome(s)

1 Choose one or more accreditor outcome that aligns with your Program Learning Outcome.

There is no selected outcome.

2 Choose one or more Institution outcome that aligns with your Program Learning Outcome.

Selected Outcomes:

- ULO 5 Self-Awareness
- 3 Please Enter The Following Information Below:

Measures - Need to name specific course/ required experience plus exact exam items, assignments, rubric lines, etc. used for the analysis of performance on the PLO.

Targets - Percentage of students expected to earn a particular score on the measure.

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Introductory"-level course learning outcomes linked to the PLO	75%	Assessed annually

Measures	Targets	Timeline
"Proficient"-level achievement or better across all "Developing"-level course learning outcomes linked to the PLO	80%	Assessed annually
"Proficient"-level achievement or better across all "Mastery"-level course learning outcomes linked to the PLO	85%	Assessed annually

This was not reviewed/discussed by the CIS sub-committtee

Action Plans - If student performance did not meet the target, identify specific improvement strategies to enact in the upcoming academic year. For example, add instruction on the topic, change an assignment, revise course requirements, revise objectives, identify additional support/resources for students.

This was not reviewed/discussed by the CIS sub-committtee

Closing the Loop - If you entered action plans for the PLO last year, they will appear in the box below. Please explain what you did to accomplish the action plan this year, re-examine student performance, and determine the success of your action plan.

This PLO should be reviewed by the department and eliminated if it considered to be redundant with PLO #7.

Holistic program improvement goals: Programs are expected to have at least one action plan to improve student learning annually. If you have not yet identified an action plan associated with this year's assessment results, or if the department has identified additional issues that require action plans, describe the specific, measurable action plan and its relation to evidence of student performance.

Due to Covid and change in the department structure and leadership, the assessment is not fully implemented and results are not reliable. The overall feeling is that the CIS program is very good, so focus for next year will be to work on the setting up AEFIS properly, and no changes to the programs is planned.

Assessment Rubric



Process

	1	2	3	4
Is the plan being implemented faithfully and revised as needed?	Assessment plan is not implemented.	Most aspects of plan are being implemented or all aspects are implemented to some degree.	Assessment plan is fully implemented.	Plan is faithfully executed and modified/evaluated as needed.

2 Explanations:

Due to Covid and change in the department structure and leadership, the assessment is not fully implemented and results are not reliable.

3

Engagement

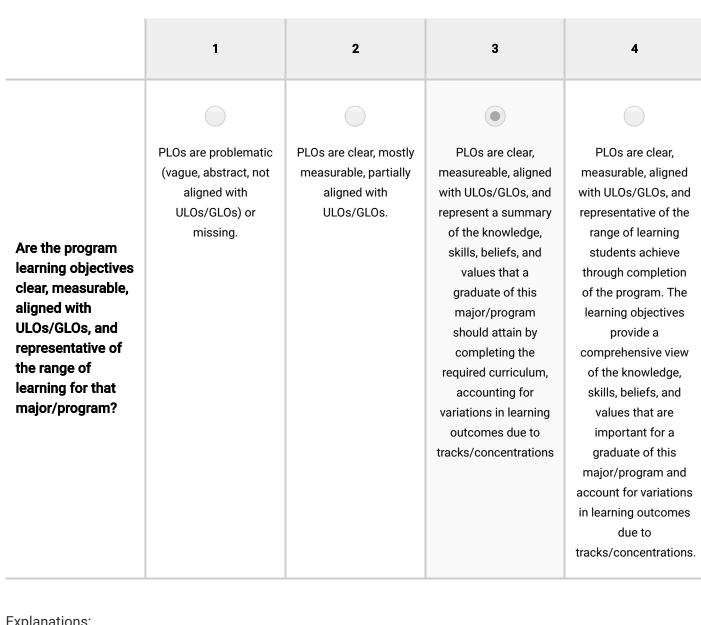
	1	2	3	4
Are all relevant parties are meaningfully involved in the creation/revision, implementation, analysis, interpretation and learning improvement process?	Limited involvement beyond chair/director	All educators contributing to the curriculum are aware of process and results	All educators contributing to the curriculum participate in conversations regarding the use of assessment data to improve student learning	All relevant stakeholders (students, employers, alumni) are meaningfully involved in the creation/revision, implementation, analysis, interpretation, and/or improvement processes associated with this assessment plan.

4 Explanations:

["Overall good engagement from the faculty, but we need to make sure everyone is using meaningful assignments and link them properly in AE "]

5

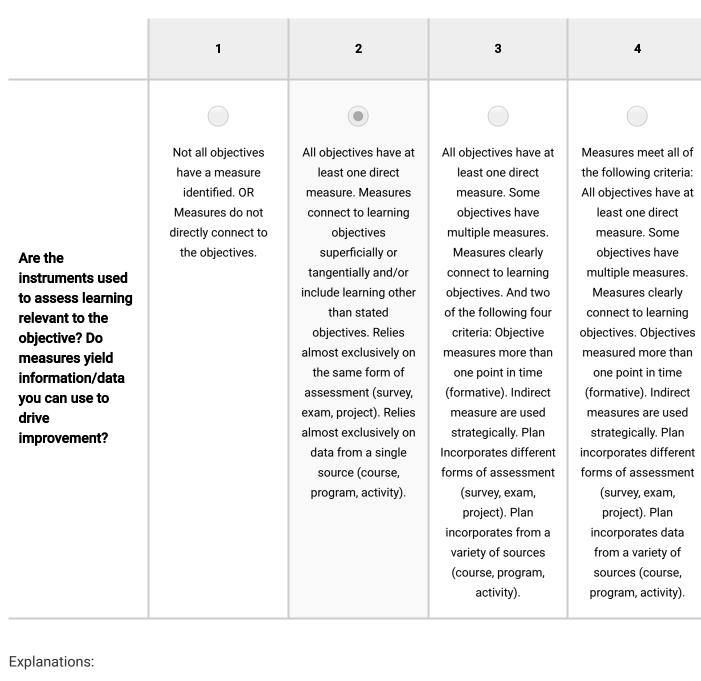
Program Learning Objectives



no major concern here

Measures

1	2	3	4



Assignments are in most cases not designed to directly address the learning objectives.

Targets

1	2	3	4

	1	2	3	4
Are the targets based on professional standards and/or analysis of past student work? Are targets challenging and achievable?	Some targets are missing.	Targets are arbitrarily chosen or reflect minimal expectations.	Targets are challenging and achievable based on prior student performance, and reflect an appropriate level of performance.	Targets are challenging and achievable. Targets are based on professional standards and/or prior student performance. Targets are set at a level to inspire program improvement.

we need to review once we have all linking etc properly set up.



Timeline

1	2	3	4
·	_	-	

	1	2	3	4
Is the timeline for data collection manageable with sufficient data points to effectively inform decision making and program review?	Not identified clearly for all measures.	Clearly states semester/year for each objective/measure. Data analysis delayed from data collection. Time between collection points may not facilitate informed decision making.	Clearly stated and manageable schedule. At least two data points for each objective per review cycle.	Timeline for data collection is manageable and allows for continuous improvement with timely and meaningful decision making even before program review.

we need to review once we have all linking etc properly set up.

Action Plan

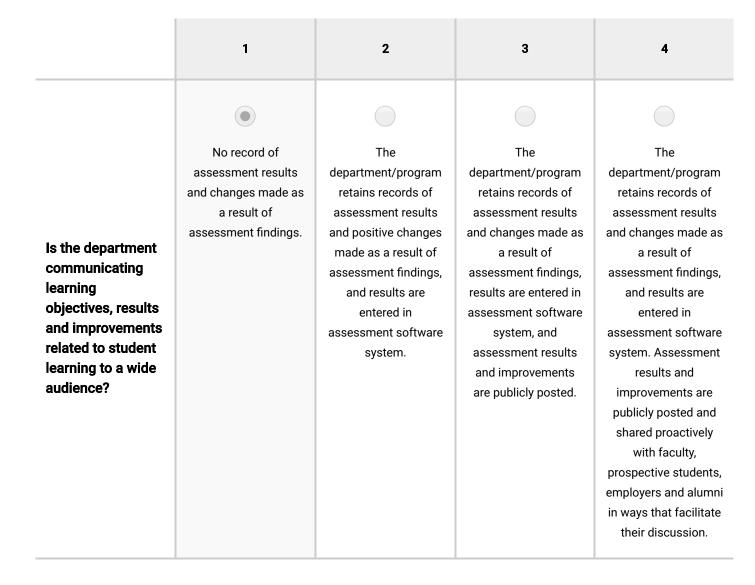
1	2	3	4

most curriculum decissions are not driven by A

15

Dissemination

1	2	3	4



No - are we supposed to? How?

Additional Feedback

1 Please enter any additional feedback for changes that should be made:

CLOSE AND EXIT