

SLO-AAP|Modify for request 13165

Info

Request: UF BME SLO Changes Effective Fall 2017

Description of request: We are requesting to update our SLO's and evaluation methods, effective Fall 2017.

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Created: 10/11/2018 2:05:36 PM

Form version: 1

Responses

Name of Major

Response:
Biomedical Engineering

College

Response:
Engineering

Effective Term

Enter the term of implementation (semester and year).

Response:
Fall

Effective Year

Response:
2017

Request Type

Select the type of modification being requested.

Response:
Modify Student Learning Outcome (SLO)

Academic Assessment Plan Modifications

Response:
Delete SLO/Add SLO

ALC Modifications

Response:

Does not apply

SLO Modifications

Response:
Assessment Measures, SLO

What Types of Assessments Are or Will Be Used?

Response:
Other

Describe the Other Assessment Type:

Response:
Student publications in peer-reviewed journals and presentations at National and International Conferences for our PHD students.

What Assessment Methods Will Be Used?

Response:
Rubric, Other

Describe the Other Assessment Method:

Response:
Our Graduating Exit survey has been modified to ask students to report this information.

Who Applies the Assessment Method?

Response:
Does not apply

Individual Student Assessments

Describe the individual student assessments and the assessment method that will be used to measure each SLO. Input N/A if requested changes to do not apply.

Response:
MS/ME program.
1. SLO 1: (Knowledge) An ability to develop a broad-based knowledge of Biomedical Engineering.

Evaluation Method: Satisfactory completion of graduate coursework requirements for the MS program with a cumulative GPA above 3.0. Additional assessment performed by the student's Supervisory Committee upon completion of the student's thesis or capstone project.

2. No Modification to SLO 2

3. No Modification to the SLO, only the evaluation method. Evaluation Method: Satisfactory completion of graduate coursework requirements for the MS program with GPA 3.0.

Assessment performed by the student's Supervisory Committee upon completion of the student's

thesis or capstone project.

4. SLO 4: (Skills) An ability to design scientific/engineering experiments, and to analyze and interpret data.

Evaluation Method: Assessment performed by the student's Supervisory Committee upon completion of the student's thesis or capstone project.

5. No modification to the SLO, only the evaluation method. Evaluation Method: Evaluation using a rubric based on student performance in report, or presentation in BME 6018 Clinical Correlations. Evaluated by the faculty teaching the course. Additional assessment performed by the student's Supervisory Committee upon completion of the student's thesis or capstone project.

6. No Modification to SLO 6

PHD Program

1. No Modification to SLO 1

2. No Modification to the SLO 2, only the evaluation method. Evaluation Method: Assessment performed by the Departmental Comprehensive Examination (DCE) Committee upon completion of the student's DCE. Assessment performed by the student's Supervisory Committee upon completion of the student's Thesis Proposal and Dissertation. Assessment performed by the student's Supervisory Committee upon completion of both the student's Thesis Proposal and Dissertation Defense.

3. No modifications to SLO 3.

4. No Modification to SLO 4, only the evaluation method. Evaluation Method: Assessment performed by the student's Supervisory Committee upon completion of the student's Thesis Proposal and Dissertation. Publication of at least one scientific article describing original research in a peer reviewed journal with the student as the first contributing author. Publication data for graduating students will be collected during exit interviews. Goal is to have >80% of students meet this publication requirement at the time of graduation.

5. No Modification to SLO 5, only the evaluation method. Evaluation Method: Evaluation using a rubric based on student performance in a homework assignment, exam or exam question, project, report, or presentation in BME 6018 Clinical Correlations. Evaluated by the faculty teaching the course. Additional assessment performed by the student's Supervisory Committee upon completion of the student's Thesis Proposal and Dissertation. Completion of Supervised Teaching assignment with FERPA training.

6. No modification to SLO 6. Only the evaluation method. Evaluation Method: Assessment performed by the Departmental Comprehensive Examination (DCE) Committee upon completion of the student's DCE. Assessment performed by the student's Supervisory Committee upon completion of the student's Thesis Proposal and Dissertation. Presentation of the student's research in at least one national or international scientific or technical meeting related to biomedical engineering. An exit survey of graduating students will provide information about student presentations. Goal is to have >80% of students meet this presentation requirement at the time of graduation.

Description and Rationale

Briefly describe the modification(s), including the revised language, and provide the rationale/justification for the revision. Templates are available for the curriculum map, assessment timeline, and assessment cycle on the [Institutional Assessment website](#).

Response:

Overall Summary of Changes:

The SACS graduate BME results were reviewed by the department's Graduate Program Committee (GPC). At the Master's degree level, students are achieving their outlined Student Learning Outcomes (SLOs); however, the strong growth of the program required modifications to both the Program Goals (PGs) and SLOs. The PGs were modified to transition our program's focus from growth to maintenance. SLOs were modified to include evaluation of all SLOs at the Master's Final Examination. At the Ph.D. degree level, we have modified our PG to focus on diversity and quality of our students, as opposed to growth. Further, our SLOs evaluation methods were expanded to include our Departmental Comprehensive Examination, as well as to focus on our students publishing in peer-reviewed journals and presenting at National and International conferences.

