Quality Assurance

- Plan
- Do
- Check
- Act
Quality in Education

End of Fall and Spring

- Plan
- Do
- Check
- Act
Educational Objectives describe the career and professional accomplishments that programs are preparing graduates to attain within a few years after graduation.

Program Outcomes are statements describing knowledge, skills, behaviour students should be able to demonstrate upon successful completion of the program.
Program Outcomes must support the National Qualifications.
Course Learning Outcomes Support the Program Outcomes

Program Outcomes

Courses

Learning Outcomes

Syllabus

Assessments

Workload Tables

Learning Outcomes are matched with Program Outcomes
Assessments Measure Learning Outcomes
Learning Outcomes are matched with Assessments

Courses
- Learning Outcomes
- Syllabus
- Assessments
- Workload Tables

UPDATE LEARNING OUTCOMES

Learning outcomes are the accumulative study. Learning outcomes should be methods, do, or value as a result of taking a course more of the corresponding program's outcomes.

Course: CS 101 - Algorithms and Programming

Design, implement and test computer programs using structured and object-oriented approaches

Demonstrate knowledge of contemporary issues in engineering

Use modern software systems and tools

Outcome
- Design, implement and test computer programs using structured and object-oriented approaches

Assessments
- Final
- Midterm
- Homework
- Quiz
- Lab exam

Update Learning Outcome
Steps

- **Revising** Program Outcomes
- **Matching** Program Outcomes with National Qualifications
- **Revising** Course Learning Outcomes
- **Matching** Program Outcomes with related Course Learning Outcomes
- **Measuring** Program Outcomes using the Assessments of the courses supporting the Program Outcome and performance metrics.
Getting Prepared

Before the semester begins:

● Revising
● Matching
● Defining
POs and NQ

- Revising Program Outcomes
- Matching Program Outcomes with National Qualifications

Deadline: End of July
Course LOs and POs

- **Revising** Course Learning Outcomes
- **Matching** Course Learning Outcomes with Assessments
- **Matching** Program Outcomes with Course Learning Outcomes

Deadline: **End of First Week of September**
Metrics

- **Defining Courses to be used for Measuring POs**
  
  Deadline: *End of Second Week of September*

- **Defining Metrics for Measuring the POs**
  
  Deadline: *End of September*
For courses to be used for measuring POs all grades must be entered to SAPS.

SAPS Columns will be automatically generated from Assessments.
Measuring and Reporting
At the end of the week after Letter Grade Submission

FALL → Measurement → SPRING → Measurement → Annual Results → ANNUAL REPORT
Annual Report

- At the end of Spring semester
- Including both Fall and Spring measurements
- Generated by a DAIS QME Service
- Departments need to complete the report by including:
  - Evaluation of the measurement results (PO is attained or some actions need to be taken)
  - Brief review about Educational Objectives
# 2019-2020 QME Calendar

<table>
<thead>
<tr>
<th>Activity</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revising POs</td>
<td>31.07.2019</td>
<td>NA</td>
</tr>
<tr>
<td>Matching POs with NQs</td>
<td>31.07.2019</td>
<td>NA</td>
</tr>
<tr>
<td>Revising LOs</td>
<td>06.09.2019</td>
<td>NA</td>
</tr>
<tr>
<td>Revising Syllabus</td>
<td>06.09.2019</td>
<td>31.01.2020</td>
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<tr>
<td>Matching LOs with POs</td>
<td>13.09.2019</td>
<td>31.01.2020</td>
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<tr>
<td>Defining Courses to be used in Measurements</td>
<td>13.09.2019</td>
<td>31.01.2020</td>
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<tr>
<td>Measuring POs</td>
<td>24.01.2020</td>
<td>17.06.2020</td>
</tr>
<tr>
<td>QME Report</td>
<td>30.01.2020</td>
<td>30.06.2020</td>
</tr>
</tbody>
</table>
Thank you!