

QME Road Map and Services

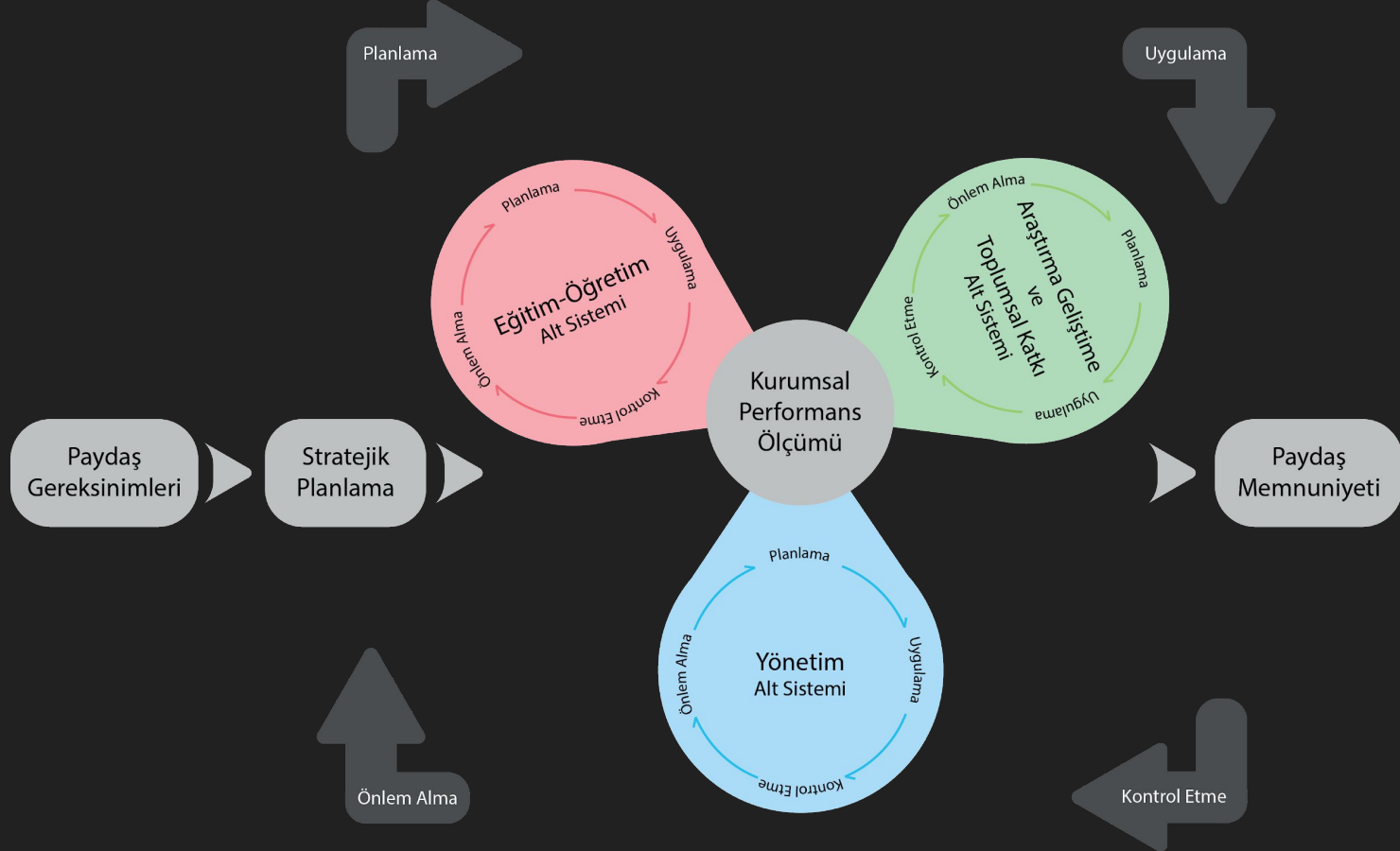


August 2020

by Reyyan Ayfer

Quality Assurance

- Plan
- Do
- Check
- Act



Quality in Education

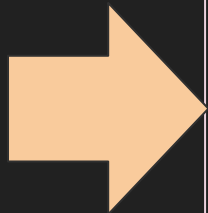


End of Fall and Spring

- Plan
- Do
- Check
- Act



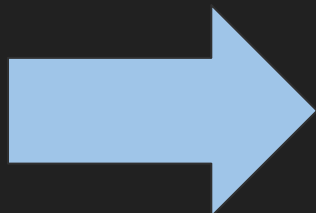
**P
R
O
G
R
A
M**



Program Outcomes are statements describing knowledge, skills, behaviour students should be able to demonstrate **upon successful completion of the program.**



Measure

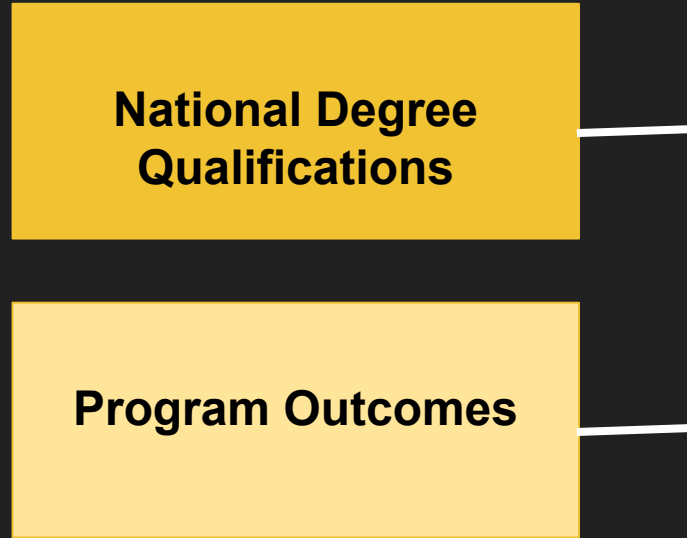


Educational Objectives describe the career and professional accomplishments that programs are preparing graduates to attain **within a few years after graduation.**



Review

Program Outcomes must support the National Qualifications



Outcomes

Outcomes are statements describing

- **knowledge,**
- **skills,**
- **behaviour**

students should be able to demonstrate upon successful completion of the program.

Outcomes must be...

- specific
- narrow
- observable
- **measurable**

Not measurable

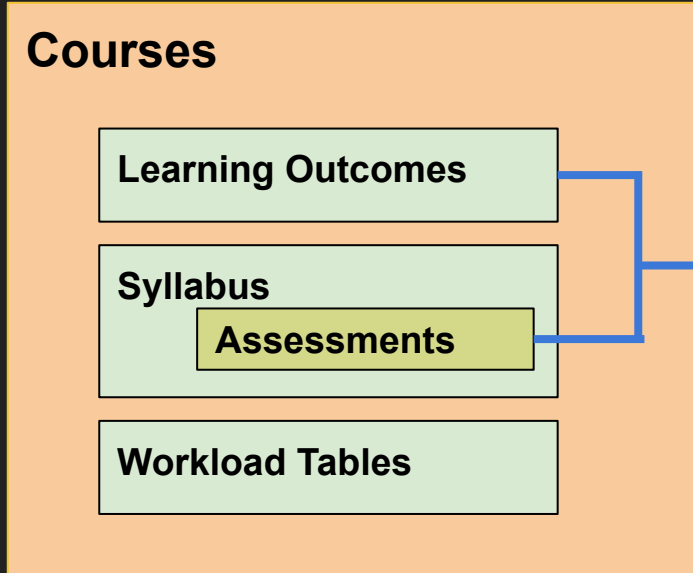
- know
- think
- understand
- appreciate
- learn
- become familiar with
- become aware of

Measurable

- Interpret
- Analyze
- Evaluate
- Construct
- Design
- Compare
- Assess
- ...

Course Learning Outcomes Support the Program Outcomes

Program Outcomes



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 accumulated study. Learning outcomes should be measured, or value as a result of taking a course more of the corresponding program's out

Course : CS 101 - Algorithms and Program

Add New Learning Outcome

To change the order of recorded outcome changes to cross arrow.)

Learning Outcomes

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

Demonstrate knowledge of contemporary information engineering

Use modern software systems and tools

Edit Learning Outcome

The assessment methods listed below are defined with the course syllabus. You are expected to select the assessment methods used to measure the learning outcome.

Outcome

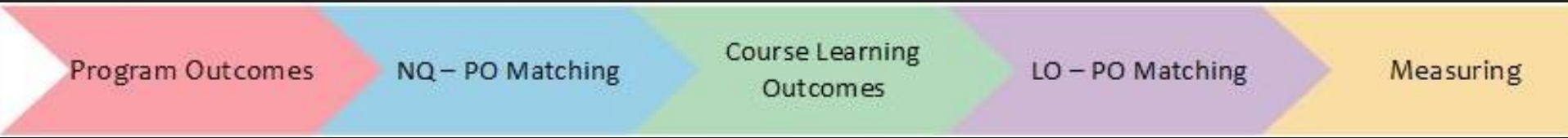
Design, implement and test computer programs using structured and object-oriented approaches

Assessments

- Final
- Midterm
- Homework
- Quiz
- Lab exam

Update Learning Outcome

Steps



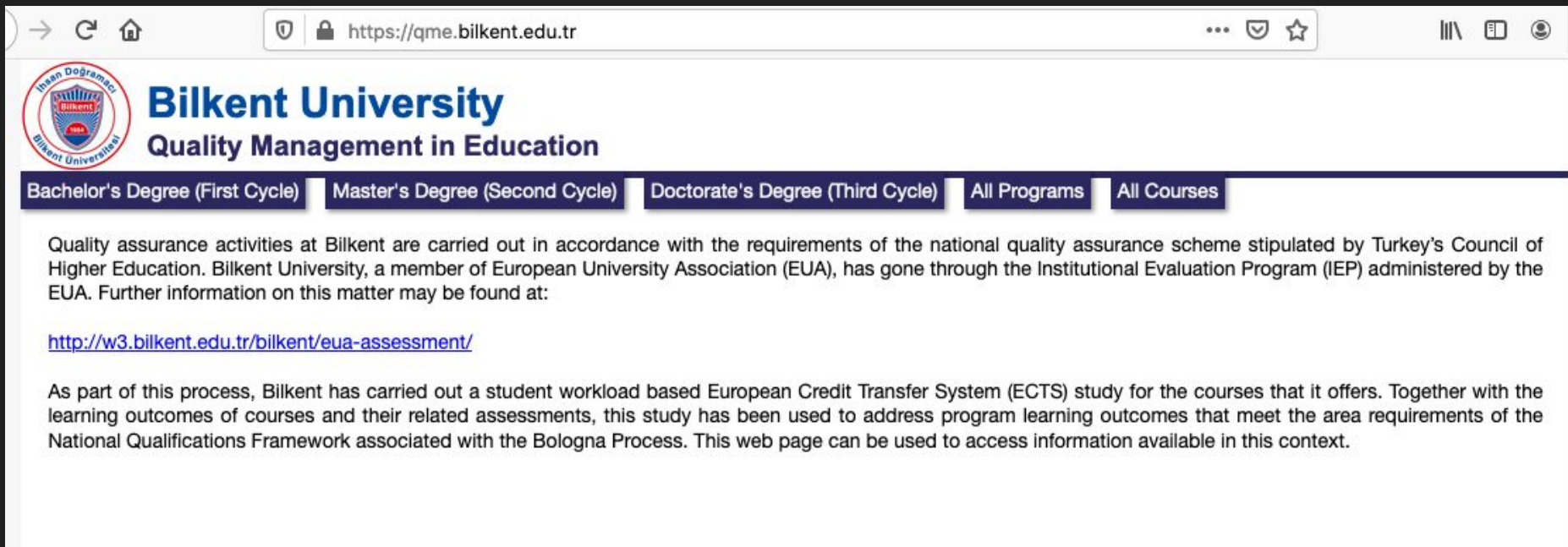
- **Revising Program Outcomes**
- **Matching Program Outcomes with National Qualifications**
- **Revising Course Learning Outcomes**
- **Matching Program Outcomes with related Course Learning Outcomes**
- **Measuring Program Outcomes using the Assessments of the courses supporting the Program Outcome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

Getting Prepared

Before the semester begins:

- **Revising**
- **Matching**
- **Defining**

QME Page qme.bilkent.edu.tr



The screenshot shows a web browser window with the URL <https://qme.bilkent.edu.tr>. The page header features the Bilkent University logo on the left, which includes the text "İnan Dođramacı" and "Bilkent Üniversitesi". To the right of the logo is the text "Bilkent University" in a large blue font, followed by "Quality Management in Education" in a smaller blue font. Below the header is a dark blue navigation bar with five white buttons: "Bachelor's Degree (First Cycle)", "Master's Degree (Second Cycle)", "Doctorate's Degree (Third Cycle)", "All Programs", and "All Courses". The main content area has a white background and contains the following text:

Quality assurance activities at Bilkent are carried out in accordance with the requirements of the national quality assurance scheme stipulated by Turkey's Council of Higher Education. Bilkent University, a member of European University Association (EUA), has gone through the Institutional Evaluation Program (IEP) administered by the EUA. Further information on this matter may be found at:

<http://w3.bilkent.edu.tr/bilkent/eua-assessment/>

As part of this process, Bilkent has carried out a student workload based European Credit Transfer System (ECTS) study for the courses that it offers. Together with the learning outcomes of courses and their related assessments, this study has been used to address program learning outcomes that meet the area requirements of the National Qualifications Framework associated with the Bologna Process. This web page can be used to access information available in this context.

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 Second Week of the Semester

Courses to be Used for Measuring the Program Outcomes

- **Defining All Courses to be used for Measuring POs**
- **Defining the Offered Courses to be used for Measuring POs for the current semester**

Deadline: End of the Second Week of the Semester

Metrics

- **Defining Metrics for Measuring the POs**

Deadline: End of the Second Month of the Semester

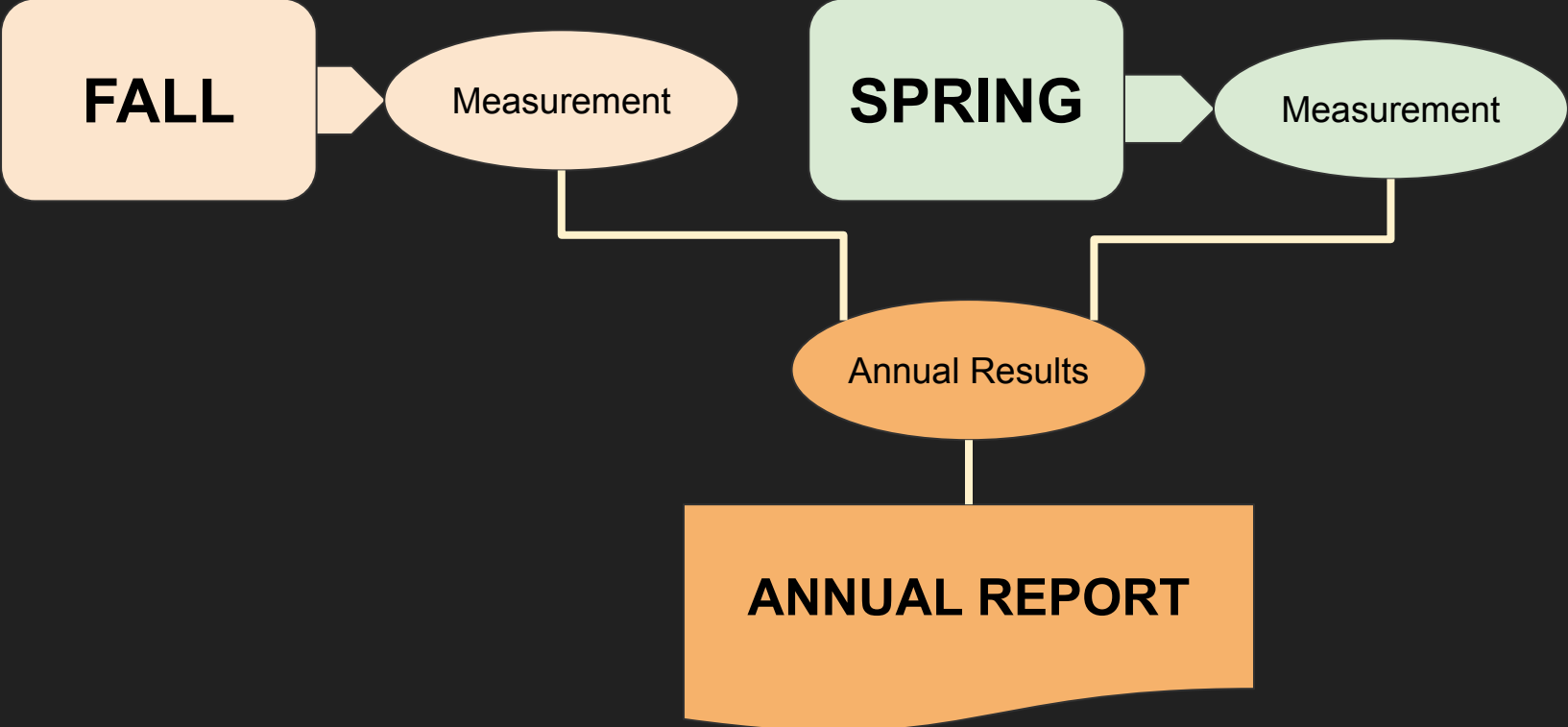
SAPS

For courses to be used for measuring POs all grades must be entered to SAPS.

SAPS QME Columns will be automatically generated from Assessments described in the syllabus.

Measuring and Reporting

At the end of the week after Letter Grade Submission



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**

QME Calendar

Revising POs	End of July
Matching POs with NQs	End of July
Revising LOs	End of Second Week of the Semester
Revising Syllabus	End of Second Week of the Semester
Matching LOs with POs	End of Second Week of the Semester
Defining Courses to be used in Measurements	End of Second Week of the Semester
Entering Metrics for Measuring	End of the Second Month of the Semester
Measuring POs	End of the Week after Letter Grade Submissions
QME Annual Evaluations	End of June

Thank you!