Quality Management in Education



Agenda of This Talk

- Periodic measurement and evaluation of Program
 Outcomes and Educational Objectives

 To do

University Quality Assurance System

 The Quality Board of the university was established for the purpose of implementing the quality assurance system of the university and conducting institutional evaluation.

- In line with the targets set in the strategic plan of the university, the institutional performance indicators were identified in educational and research activities, and administrative services.
- Performance data are collected periodically to carry out measurement studies of the institutional performance indicators, and an <u>internal evaluation</u> <u>report</u> is prepared every year.

Quality Assurance Cycle

- Plan
- Do
- Check
- Act

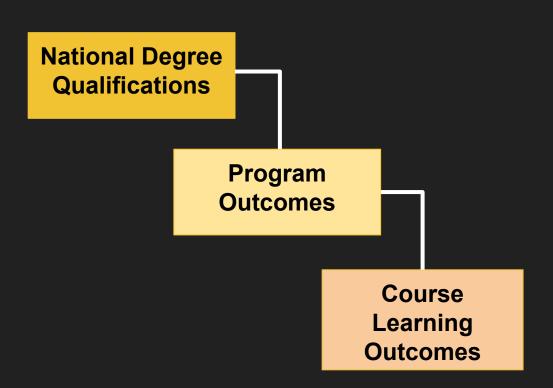


 Adopt a "continuous improvement" approach in education, research, and administration.

Planned in 2014

To define

- program outcomes
- student workload and ECTS credits
- course learning outcomes and their measurements
- relationships



National Degree Qualifications

Defined by YÖK for

- Engineering, Manufacturing and Processing
- Life Sciences, Natural Sciences, Mathematics and Statistics
- Humanities
- Architecture and Construction
- Business and Administration
- Teacher Education
- Art
- Law
- Computing
- Social and Behavioural Sciences

Program Outcomes

Program Outcomes are statements describing

- knowledge
- skills
- behaviour

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

Program Outcomes

- Program outcomes must be
 - specific
 - narrow
 - o observable
 - o measurable

Program Outcomes must support the National Qualifications

National Degree Qualifications

Program Outcomes

Courses

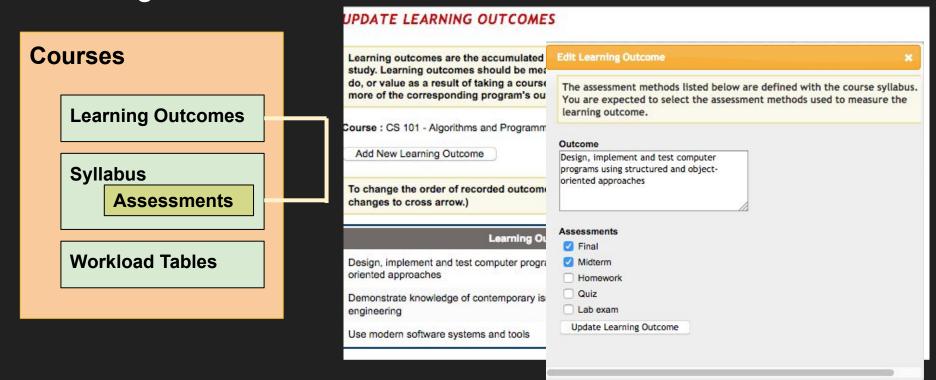
For each course:

- Course Coordinators responsible for the syllabus
- Student Workload Tables
- Syllabus including Assessment Methods
- Learning Outcomes
- Supported Program Outcomes

are defined.

Measuring Learning Outcomes

Learning Outcomes are matched with Assessments



Status of Bilkent in 2019

 QME infrastructure is available at https://blg.bilkent.edu.tr/



Bachelor's Degree (First Cycle)

Master's Degree (Second Cycle)

Doctorate's Degree (Third Cycle)

All Programs

All Courses

Quality assurance activities at Bilkent are carried out in accordance with the requirements of the national quality assurance scheme University, a member of European University Association (EUA), has gone through the Institutional Evaluation Program (IEP) admini 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 and their related assessments, this study has been used to address program learning outcomes that meet the area required with the Bologna Process. This web page can be used to access information available in this context.

Time to Check and Measure



For the continuous improvement of the program,
 Program Outcomes should be assessed and evaluated regularly.

Measuring Program Outcomes

Steps:

- 1. Revise Program Outcomes if necessary
- 2. Select **the courses** that are best to measure each program outcome (from among the required courses)
- 3. Make sure that the grades of the assessments of the selected courses are entered to **SAPS**

Measuring Program Outcomes

- For the evaluation a Program Outcome, data should be collected through the assessment methods (such as homework assignments, projects, exams, reports, etc.) specified for the Learning Outcomes of the courses associated for that particular Program Outcome.
- Performance metrics to be used in the evaluation and the expected value (success rate) for each metric should be determined.

Measuring Program Outcomes

- Assessment data collected from course work should be analyzed and evaluated by a special committee / the Department Chair.

Program Educational Objectives

Program Educational Objectives

 describe the career and professional accomplishments that programs are preparing graduates to attain within a few years of graduation

should be consistent with the mission of the University,
 the Faculty and the Department

Evaluating Program Educational Objectives

- Program Educational Objectives should be reviewed periodically to check whether they meet the needs of the constituents (alumni, employers, external advisory board, students, faculty).
- Inputs for the review can be taken from the constituents through a variety of evaluation methods including meetings, surveys, face-to-face feedback, and so on.
- The review process may result in a revision of the Program Educational Objectives, and alignment of the curriculum with the revised objectives.