Course Syllabus

Code - Course Title	**ÖMB323 - Measurement and Evaluation in Education**
Course Type	V. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. YAVUZ AKBULUT

Mode of Delivery	Face-to-face learning
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	This course has no prerequisites or co-requisites.
Courses Recomended	Not applicable.
Recommended Resources	Atılgan, H., Kan, A ve Aydın, B. (2017). Eğitimde ölçme ve değerlendirme (10. Baskı). Ankara: Anı Yayıncılık.
Work Placement	Not applicable.
Aims of the Course	This course aims to equip students with fundamental principles and methods of educational measurement and assessment and develop their skills in designing, implementing, and evaluating valid and reliable assessment instruments.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	**LO-1** **LO-2**	Basic Concepts Related to Measurement and Evaluation	Lecture, Question & Answer, Discussion, Brain Storming
Week - 2	**LO-2** **LO-4**	Attributes Measured in Education and Taxonomies for Cognitive Domains	Lecture, Question & Answer, Discussion, Brain Storming
Week - 3	**LO-3** **LO-4**	Basic Psychometric Properties of Measurement Instruments: Reliability	Lecture, Question & Answer, Discussion, Problem Solving, Brain Storming
Week - 4	**LO-3** **LO-4**	Basic Psychometric Properties of Measurement Instruments: Validity	Lecture, Question & Answer, Discussion, Brain Storming
Week - 5	**LO-3** **LO-4**	Types of Measurement Tools Used in Education-I	Lecture, Question & Answer, Discussion, Brain Storming
Week - 6	**LO-4**	Types of Measurement Tools Used in Education-II	Lecture, Question & Answer, Discussion, Brain Storming

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 7	LO-5	Classroom Assessment	Lecture, Question & Answer, Discussion, Brain Storming
Week - 8	LO-6	Statistical Procedures Implemented with Measurement Results-I	Lecture, Question & Answer, Discussion, Problem Solving
Week - 9	LO-6	Statistical Procedures Implemented with Measurement Results-II	Lecture, Question & Answer, Discussion, Problem Solving, Brain Storming
Week - 10	LO-7	Test Development and Item Analysis	Lecture, Question & Answer, Discussion, Problem Solving, Brain Storming
Week - 11	LO-8	Evaluation and Grading	Lecture, Question & Answer, Discussion, Problem Solving
Week - 12	LO-4 LO-8	E-Assessment	Lecture, Question & Answer, Discussion, Brain Storming
Week - 13	LO-9	International Monitoring Exams	Lecture, Question & Answer, Discussion, Brain Storming
Week - 14	LO-1 LO-2 LO-3 LO-4 LO-5 LO-6 LO-7 LO-8 LO-9	General Evaluation	Question & Answer, Discussion, Brain Storming

Learning Outcomes

#	Learning Outcome
1	Discusses the significance of measurement and evaluation in education and instructional activities.
2	Explains the fundamental concepts related to measurement and evaluation.
3	Explains fundamental features of a measurement tool
4	Prepares assessment tools appropriate for different constructs that can be assessed.
5	Explains the types of classroom assessment processes
6	Applies statistical analyses on measurement results.
7	Analyzes the process of test development.
8	Discusses the process of evaluation.
9	Explains the purposes of international exams to monitor student achievement

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Educational Sciences and Educational Technologies

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	3.00	14	42
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	2.00	14	28
Ödevler	2.00	2	4
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	11.00	1	11
Final Sınavı Hazırlığı (sınav süresi dahil)	15.00	1	15
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**4.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Multiple Choice Test ✓ Take Home Exam

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	40
Final Exam	1	60
	Sum (%)	**100**