

SYLLABUS

Faculty of Science and Literature (Pedagogical Formation)

Course Code	Course Title	Credits	ECTS Value	
FRM303	Measurement and Evaluation in Education	3 (3-0)	4	
Prerequisite Courses:				
Course Language:	Turkish	Course Delivery Mode:	Online	
Course Type and Level:	Elective / Fall Semester / Undergraduate			
Instructor's Title, Name, and Surname		Course Hours	Office Hours	
Dr. Erdem BODUROĞLU		Thursday 18:30–20:50	erdemboduroglu @cag.edu.tr	
Course Coordinator:	Dr. Erdem BODUROĞLU			
Course Objectives				
Course Learning Outcomes	Upon successful completion of this course, the student will be able to;		Relations	
			Program Outcomes	Net Contribution
	1	Know the basic concepts used in measurement and evaluation.	6	4
	2	Explain the importance of measurement and evaluation.	6	5
	3	Distinguish different types of tests.	6	4
	4	Classify tests and their characteristics	6	5
	5	Apply basic statistical procedures.	6	5
	6	Discuss other measurement tools used in evaluating student performance.	6	4
	7	Develop different performance tests.	6	4
8	Design in-class grading and evaluation processes.	6, 10	4	
Course Content:	The course covers concepts related to measurement and evaluation; measurement of cognitive characteristics; items used in school learning; psychological measurement instruments in the field; and statistical procedures applied to measurement results.			
Course Schedule (Weekly Plan)				
Week	Topic	Preparation	Teaching Methods and Techniques	
1	Introduction of the course plan. Introduction: The education process and the importance of measurement and evaluation in education	Students are asked to state their expectations regarding the course.	Presentation, Lecture, Q&A Activity, Discussion	
2	Basic concepts related to measurement and evaluation: Measurement, types of measurement and unit of measurement; variable and scale/level of measurement; evaluation and types of evaluation	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Discussion, Concept Map, Q&A Activity	
3	Qualities required in a measurement instrument and measurement error	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion	

4	Reliability	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion, Demonstration and guided practice using statistical software
5	Validity and practicality	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion, Demonstration and guided practice using statistical software
6	Classification of measurement instruments; steps of test construction	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Discussion, Concept Map, Q&A Activity
7	Traditional measurement and evaluation techniques I: response-selection instruments	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Discussion, Concept Map, Q&A Activity
8	Midterm Exam		
9	Midterm Exam		
10	Traditional measurement and evaluation techniques II: response-construction instruments	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion
11	Complementary assessment and evaluation techniques I: performance assessment	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion
12	Complementary assessment and evaluation techniques II: portfolio assessment	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion
13	Statistical procedures on item and test scores – I	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion, Demonstration and guided practice using statistical software
14	Statistical procedures on item and test scores – II	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion, Demonstration and guided practice using statistical software
15	Standard scores (Z and T scores); interpretation of measurement results and evaluation	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion, Demonstration and guided practice using statistical software
16	Steps of test and scale development	Students will prepare by reading the relevant chapter in the course textbook.	Presentation, Lecture, Q&A Activity, Discussion
17	Final Exam		
18	Final Exam		

Course Resources

Textbook:

Turgut, M. F., & Baykul. (2012). *Eğitimde Ölçme ve Değerlendirme* (5th ed.). Ankara: Pegem Akademi + instructor presentations.

Recommended References:	<p>1) Turgut, M. F. ve Baykul (2012). Eğitimde Ölçme ve Değerlendirme, Pegem Akademi (5. Baskı), Ankara.</p> <p>2) Doğan, N. (Ed.) (2019). Eğitimde Ölçme ve Değerlendirme. Ankara: Pegem Akademi.</p> <p>3) Kargın, T. Ve Güldenoğlu, B. (2021). Özel Eğitimde Ölçme ve Değerlendirme. Ankara: Pegem Akademi.</p> <p>4) Karakaya, İ. (Editor), (2022). Açık Uçlu Soruların Hazırlanması, Uygulanması ve Değerlendirilmesi . Ankara: Pegem Akademi.</p> <p>5) “Engeli Olan Çocuklar İçin Okul Öncesi Eğitimi ve İlkokulda Değerlendirme Çerçevesi Geliştirilmesi Projesi” İçerikleri.</p> <p>6) Özyürek, M. (2015). Özel eğitimde ölçümlenme ve değerlendirme. Ankara: Kök Yayıncılık.</p> <p>7) Özgüven, İ. E. (1999). Psikolojik testler. Nobel Yayınları.</p> <p>8) Tatlı,Z. (2019). Ölçme Değerlendirme Web 2.0. Ankara: Pegem Akademi.</p> <p>9) Mor Dirlik, E., & Koç, N. (2017). Eğitim kurumlarında kullanılan psikolojik testlerin ölçme standartlarına göre incelenmesi. Eğitimde ve Psikolojide Ölçme ve Değerlendirme Dergisi (EPODDER).</p> <p>10) Korkmaz, Ö., Vergili, M., Çakır, R., & Erdoğan, F. U. (2019). Plickers web 2.0 ölçme ve değerlendirme uygulamasının öğrencilerin sınav kaygıları ve başarıları üzerine etkisi. Gazi Eğitim Bilimleri Dergisi, 5(2), 15-37.</p>
--------------------------------	--

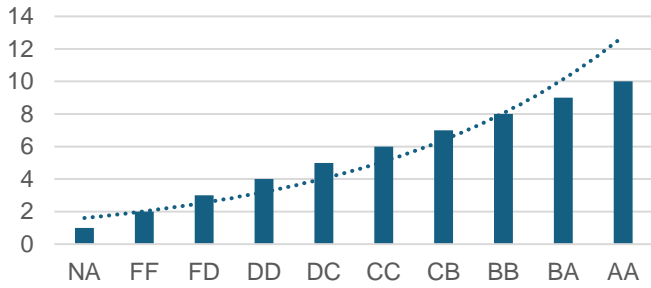
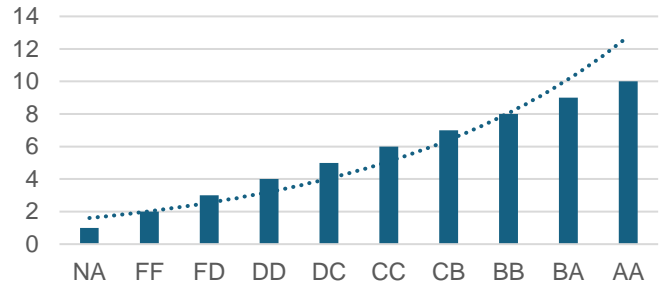
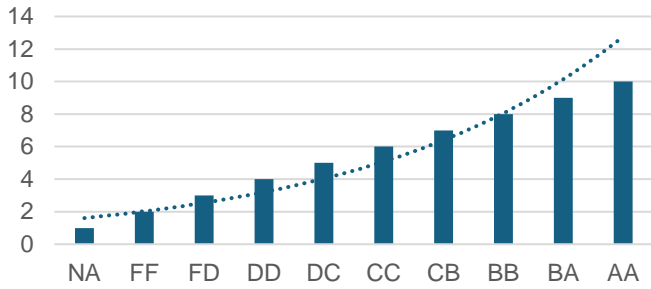
Course Assessment and Evaluation

Activities	Number	Percentile	Notes
Midterm Exam	1	%40	Will be administered as a paper-and-pencil test. Grading will be based on the scoring key (answer key).
Final Exam	1	%60	Will be administered as a paper-and-pencil test. Grading will be based on the scoring key (answer key).

ECTS Table

Content	Number	Hours	Total
Course Hours (In-Class Time)	14	3	42
Out-of-Class Study	14	2	28
Midterm Exam (Exam Duration + Midterm Exam Preparation)	1	20	20
Final Exam (Exam Duration + Final Exam Preparation)	1	30	30
Total:			120
Total / 30:			120/30
ECTS Credit:			4

Past Term Achievements

 2024-2025 Fall Semester
 Course Code and Name

 2024-2025 Spring Semester
 Course Code and Name

 2025-2026 Fall Semester
 Course Code and Name

 2025-2026 Spring Semester
 Course Code and Name
