Course Syllabus

Code - Course Title	**İST356 - Teaching Statistics and Probability**
Course Type	VI. SEMESTER
Laboratory + Practice	2+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses

Mode of Delivery	The mode of delivery for this course is face to face. LMS will be used under necessary conditions.
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	Students who take / will take this course are expected to have basic knowledge of probability and statistics.
Recommended Resources	Van de Walle, J.A., Karp, K.S., & Bay Williams, J.M. (2013). Elementary and middle school mathematics: Teaching developmentally. 8th Edition. Boston: Pearson.
Work Placement	Not applicable.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The Place of Statistics and Probability in Real Life	
Week - 2		Data Analysis and Probability as a Learning Area	
Week - 3		Data Analysis and Probability in Mathematics Curriculum	
Week - 4		Use of Technology and Materials in Statistics and Probability Education	
Week - 5		Components, Development and Evaluation of Statistical and Probabilistic Thinking	
Week - 6		Proportional Reasoning and Statistics	
Week - 7		Student Difficulties and Misconceptions in Learning Probability and Statistics	
Week - 8		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	
Week - 9		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	
Week - 10		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	
Week - 11		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	
Week - 12		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	
Week - 13		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Planning of Teaching Activities in the Field of Statistics and Probability and Micro-Teaching Activities	

Learning Outcomes

#	Learning Outcome
1	Explain the place of probability and statistics in mathematics education programs.
2	Explain the importance of probability and statistics in mathematics teaching.
3	Explain the importance of probability and statistics teaching.
4	Analyze the learning of probability and statistics concepts.
5	Analyze the use materials in probability and statistics teaching and learning.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.