



**2023-2024 Academic Year**  
**List of Courses Offered in Foreign Language**

**Institute of Science**  
***Fen Bilimleri Enstitüsü***

	<b>Department</b> <b><i>Bölüm</i></b>	<b>Course Code</b> <b><i>Ders Kodu</i></b>	<b>ECTS</b> <b><i>AKTS</i></b>	<b>Course Title</b> <b><i>Dersin Adı</i></b>	<b>Semester</b> <b><i>Dönem</i></b>	<b>Course Content</b> <b><i>Dersin İçeriği</i></b>	<b>Academic Staff</b> <b><i>Dersi Veren Öğretim Elemanı</i></b>	<b>Online Available</b> <b><i>Çevrimiçi</i></b>
1	Zootečni <i>Animal Science</i>	ZOB5014	6	Planning of Experiments	Bahar <i>Spring</i>	Planning of experiments, randomization, replication and blocking, advantage and disadvantages of different plans, analysis of variance for randomized blocks, nested designs, Latin square designs, factorial trials split plots and strip blocks. Utilizing SAS and MINITAB statistical packages throughout the course and interpretation of computer printouts	Prof. Dr. Mehmet Ziya FIRAT	
2	Zootečni <i>Animal Science</i>	ZOB7029	6	Statistical Analysis of Linear Models	Güz <i>Fall</i>	Introduction, One-way classification mixed models, Single-predictor mixed models, Linear models, Generalized linear models, Linear (generalized) model analysis in SAS, Linear mixed models, Linear mixed models in SAS, Prediction for mixed models, Computing for mixed models, Generalized linear mixed model analysis in SAS	Prof. Dr. Mehmet Ziya FIRAT	
3	Zootečni <i>Animal Science</i>	EKN5017	3	Data Analysis	Güz <i>Fall</i>	Principles of statistics, types of data and analysis methods, probability, discrete and continuous probability distributions, hypothesis testing, confidence limits, analysis of rxc tables, analysis of simple linear regression and correlation	Prof. Dr. Mehmet Ziya FIRAT	
4	Zootečni <i>Animal Science</i>	ZOB7022	6	Regression Analysis	Bahar <i>Spring</i>	Simple linear regression and multiple linear regression models; Model assumptions; Inferences about model parameters, Assessing the utility of the model; Checking assumptions; Selection of independent variables. Nonlinear regressions. MINITAB and SAS implementation of the above topics	Prof. Dr. Mehmet Ziya FIRAT	
5	Zootečni <i>Animal Science</i>	2				The trainee will have experience related with basic statistical methods, and data analysis	Prof. Dr. Mehmet Ziya FIRAT	