

**İSTANBUL GEDİK ÜNİVERSİTESİ LİSANSÜSTÜ EĞİTİM ENSTİTÜSÜ İSTATİSTİK VE VERİ BİLİMİ**  
**İNGİLİZCE TEZLİ YÜKSEK LİSANS PROGRAMI DERS PLANI**  
**(2021-2022 Eğitim-Öğretim Yılı)**

Yarıyıl	Dersin Kodu	Dersin Adı	Z/S	T	U	K	A
1. Yarıyıl	RME 501	Research Methods And Ethics	Z	3	0	3	9
		Specialization Elective	S	3	0	3	7
		Specialization Elective	S	3	0	3	7
		Interdisciplinary Specialization Elective	S	3	0	3	7
	<b>Yarıyıl Toplam Kredi</b>				<b>12</b>	<b>0</b>	<b>12</b>
2. Yarıyıl	SDS502	Seminar	Z	0	0	0	9
		Specialization Elective	S	3	0	3	7
		Specialization Elective	S	3	0	3	7
		Interdisciplinary Specialization Elective	S	3	0	3	7
	<b>Yarıyıl Toplam Kredi</b>				<b>9</b>	<b>0</b>	<b>9</b>

3. Yarıyıl	SDS591	Master Thesis I	Z	0	0	0	30
	<b>Yarıyıl Toplam Kredi</b>				<b>0</b>	<b>0</b>	<b>0</b>
4. Yarıyıl	SDS592	Master Thesis II	Z	0	0	0	30
	<b>Yarıyıl Toplam Kredi</b>				<b>0</b>	<b>0</b>	<b>0</b>

<b>Toplam Kredi:</b>	<b>21</b>
<b>Toplam AKTS:</b>	<b>120</b>

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**SEÇMELİ DERSLERİ**

Dersin Kodu	Dersin Adı	T	U	K	AKTS
SDS503	Mathematical Statistics using R	3	0	3	7
SDS504	Statistical Modelling	3	0	3	7
SDS505	Data Science with R	3	0	3	7
SDS506	Machine Learning with R	3	0	3	7
SDS507	Data Science Other Programming Languages: Python, SQL and Julia	3	0	3	7
SDS508	Multivariate Statistical Analysis using R	3	0	3	7
SDS509	Probability and Stochastic Modelling	3	0	3	7
SDS510	Multi-Level Models	3	0	3	7
SDS511	Time-Series Models	3	0	3	7
SDS512	Applied Econometrics	3	0	3	7

SDS513	Financial Econometrics	3	0	3	7
SDS514	Categorical and Bounded Variable Models	3	0	3	7
SDS515	Longitudinal Data Models	3	0	3	7
SDS516	Biostatistics	3	0	3	7
SDS517	Survival Models	3	0	3	7
SDS518	Environmental Statistics with R	3	0	3	7
SDS519	Spatial Econometrics	3	0	3	7
SDS520	Data Mining with R	3	0	3	7
SDS521	Deep Learning	3	0	3	7
SDS522	Biometrics	3	0	3	7
SDS523	Big Data Management	3	0	3	7
SDS524	Working with Big Data using R	3	0	3	7
SDS525	Network Science	3	0	3	7
SDS526	Artificial Neural Networks	3	0	3	7
SDS527	Cryptography	3	0	3	7
SDS528	Network and Cyber Security	3	0	3	7
SDS529	Operations Research	3	0	3	7
SDS530	Artificial Intelligence	3	0	3	7
SDS531	Machine Learning with Python	3	0	3	7
SDS532	Statistics	3	0	3	7
SDS533	Computer Applications	3	0	3	7
SDS534	Technology Management	3	0	3	7