



MUŞ ALPARSLAN ÜNİVERSİTESİ

Faculty of Arts and Sciences

Mathematics

Matematik

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AIT101	Principles of Atatürk and History of Turkish Revolution I	2+0+0	Compulsory	2
FIZ101	Physics I	4+2+0	Compulsory	6
MAT103	Analysis I	4+2+0	Compulsory	8
MAT105	Abstract Mathematics I	3+0+0	Compulsory	5
MAT107	Analytical Geometry I	2+2+0	Compulsory	5
TRD101	Turkish Language I	2+0+0	Compulsory	2
YDI101	Foreign Language: English I	2+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AIT102	Principles of Atatürk and History of Turkish Revolution II	2+0+0	Compulsory	2
DOY102	Digital Literacy	2+0+0	Compulsory	3
ENF102	Technology of Foundation Information	2+2+0	Compulsory	4
FIZ102	Physics II	4+2+0	Compulsory	6
MAT104	Analysis II	4+2+0	Compulsory	6
MAT106	Abstract Mathematics II	3+0+0	Compulsory	4
MAT108	Analytical Geometry II	2+2+0	Compulsory	4
TRD102	Turkish Language II	2+0+0	Compulsory	2
YDI102	Foreign Language: English II	2+0+0	Compulsory	2
Total ECTS				33

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ENF201	Computer Programing I	2+2+0	Compulsory	4
MAT201	Advanced Analysis I	4+2+0	Compulsory	7
MAT203	Linear Algebra I	3+2+0	Compulsory	5
MAT205	Probability and Statistics I	2+2+0	Compulsory	4
MAT207	Differential Equations I	2+2+0	Compulsory	5
MAT209	Transformation and Geometries	3+0+0	Compulsory	3
YDI201	English III	2+0+0	Compulsory	2
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ENF202	Computer Programing II	2+2+0	Compulsory	5
MAT202	Advanced Analysis II	4+2+0	Compulsory	7
MAT204	Linear Algebra II	3+2+0	Compulsory	6
MAT206	Probability and Statistics II	2+2+0	Compulsory	4
MAT208	Differential Equations II	2+2+0	Compulsory	6
YDI202	English IV	2+0+0	Compulsory	2
KDE220	Kurdish	2+0+0	Elective	3
Total ECTS				33

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MAT301	Abstract Algebra and Theory of Numbers I	3+2+0	Compulsory	6
MAT303	Theory of Complex Functions I	3+2+0	Compulsory	6
MAT305	Topology I	3+0+0	Compulsory	4
MAT307	Linear Programing	3+0+0	Compulsory	4
MAT309	Numerical Analysis I	2+2+0	Compulsory	4
MAT311	Work English I	2+0+0	Elective	3
MAT313	Projective Geometry I	2+0+0	Elective	3
Total ECTS				30

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MAT302	Abstract Algebra and Theory of Numbers II	3+2+0	Compulsory	6
MAT304	Theory of Complex Functions II	3+2+0	Compulsory	6

MAT306	Topology II	3+0+0	Compulsory	4
MAT308	Real Analysis	3+0+0	Compulsory	4
MAT310	Numerical Analysis II	2+2+0	Compulsory	4
MAT312	Work English II	2+0+0	Elective	3
MAT314	Projective Geometry II	2+0+0	Elective	3
Total ECTS				30

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MAT401	Functional Analysis I	4+0+0	Compulsory	7
MAT403	Differential Geometry I	2+2+0	Compulsory	6
MAT405	Partial Differential Equations	3+0+0	Compulsory	5
MAT415	Fourier Analysis	2+0+0	Elective	4
MAT417	Mathematical Analysis	2+0+0	Elective	4
MAT419	Mathematic History	2+0+0	Elective	4
Total ECTS				30

8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MAT402	Functional Analysis II	4+0+0	Compulsory	7
MAT404	Differential Geometry II	2+2+0	Compulsory	6
MAT406	Measurement Theory	3+0+0	Compulsory	5
MAT408	Functional Analysis	1+1+0	Compulsory	4
GÖÇ402	Volunteering Studies	1+2+0	Elective	4
MAT416	HSE: Number Theory	2+0+0	Elective	4
MAT418	HSE: Finite Difference Methods	2+0+0	Elective	4
MAT420	HSE: History of Mathematics II	2+0+0	Elective	4
Total ECTS				38