



**Kafkas Üniversitesi**  
**GRADUATE SCHOOL OF HEALTH SCIENCES**  
**Department of Medical Biology**  
**Tıbbi Biyoloji (YL) (Tezli)**

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
SZR 101	Scientific Research Methods	2+2+0	Compulsory	6
TTB 501	Molecular Cell Biology I	3+0+0	Compulsory	6
TTB 503	Basic Laboratory Principles and Methods	0+6+0	Compulsory	6
TTB 505	Scientific Research Techniques and Publication Ethics	2+0+0	Compulsory	6
TTB 507	Cancer Molecular Biology	2+0+0	Elective	5
TTB 509	Stem Cells and Applications in Medicine	2+0+0	Elective	5
TTB 511	Human Genetics	2+0+0	Elective	5
TTB 513	Project Development and Management	2+0+0	Elective	5
TTB 515	Cytogenetics	2+0+0	Elective	5
TTB 517	Basic Principles of Biotechnology	2+0+0	Elective	5
TTB 701	Seminar	0+1+0	Elective	0
<b>Total ECTS</b>				<b>54</b>

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
TTB 502	Molecular Cell Biology II	3+0+0	Compulsory	6
TTB 504	Basic Medical Biology Techniques Laboratory	0+6+0	Compulsory	6
TTB 506	Introduction to Bioinformatics	2+0+0	Elective	5
TTB 508	Molecular and Chromosomal Basis of Genetic Diseases	2+0+0	Elective	5
TTB 510	Recent Advances in Molecular Cell Biology	2+0+0	Elective	5
TTB 512	Immunology	2+0+0	Elective	5
TTB 514	Introduction to Omics Technologies	2+0+0	Elective	5
<b>Total ECTS</b>				<b>37</b>

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
TTB 702	Specialist Field Course	8+0+0	Elective	0
TTB 703	Thesis	0+0+0	Elective	30
<b>Total ECTS</b>				<b>30</b>