



ULUDAĞ UNIVERSITY
INSTITUTE OF NATURAL SCIENCES
2015-2016.ACADEMIC YEAR COURSE PLAN

DEPARTMENT OF	MOLECULAR BIOLOGY AND GENETICS
DEPARTMENT / PROGRAM	Master's Degree Program

COURSE STAGE	I. TERM / FALL								II. TERM / SPRING									
	Code	Course Title	Type	T	A	L	Credit	ECTS	Code	Course Title	Type	T	A	L	Credit	ECTS		
	MBG5191	MSc THESIS CONSULTING I	M	0	1	0	0	1	MBG5192	MSc THESIS CONSULTING II	M	0	1	0	0	1		
	MBG5401	METHODS IN MOLECULAR BIOLOGY	M	3	0	0	3	6	MBG5172	PRE-THESIS SEMINAR	M	0	2	0	0	5		
	MBG5181	ADVANCED TOPICS IN MSC THESIS I	E	4	0	0	0	5	MBG5182	ADVANCED TOPICS IN MSC THESIS II	E	4	0	0	0	5		
	MBG5403	MOLECULAR BIOLOGY OF THE CELL	E	3	0	0	3	6	MBG5400	MOLECULAR BIOLOGY OF THE GENE	E	3	0	0	3	7		
	MBG5405	PLANT MOLECULAR BIOLOGY	E	3	0	0	3	6	MBG5402	YEAST GENETICS AND MOLECULAR BIOLOGY	E	3	0	0	3	7		
	MBG5407	HUMAN MOLECULAR GENETICS	E	3	0	0	3	6	MBG5404	EPIGENETICS	E	3	0	0	3	7		
	MBG5409	MICROBIAL PHYSIOLOGY	E	3	0	0	3	6	MBG5406	ANIMAL CELL CULTURES	E	3	0	0	3	6		
	MBG5411	PLANT BIOTECHNOLOGY	E	3	0	0	3	6	MBG5408	MOLECULAR GENETICS OF PLANT DEVELOPMENT	E	3	0	0	3	7		
	MBG5413	BACTERIAL GENETICS	E	3	0	0	3	6	MBG5410	NUCLEIC ACIDS BIOCHEMISTRY AND METABOLISM	E	3	0	0	3	6		
	MBG5415	PROTEIN AND ENZYME BIOCHEMISTRY	E	3	0	0	3	6	MBG5412	MOLECULAR ENDOCRINOLOGY	E	3	0	0	3	6		
	MBG5417	PLANT TISSUE CULTURES	E	3	0	0	3	6	MBG5414	APPLICATIONS OF PLANT MOLECULAR BIOLOGY	E	3	0	0	3	6		
	MBG5419	PLANT BIOCHEMISTRY	E	3	0	0	3	6	MBG5416	PLANT MOLECULAR GENETICS	E	3	0	0	3	6		
	MBG5421	PLANT PHYLOGENETICS	E	3	0	0	3	6	MBG5418	GENETIC MAPPING IN PLANTS	E	3	0	0	3	6		
	MBG5423	METHODS IN GENETIC ANALAYSIS	E	3	0	0	3	6	MBG5420	PLANT GENETIC ENGINEERING	E	3	0	0	3	7		
	MBG5425	FUNCTIONAL GENOMICS	E	3	0	0	3	6	MBG5422	GENE TRANSFER METHODS AND VECTORS	E	3	0	0	3	6		
	MBG5427	MICROBIAL BIOTECHNOLOGY	E	3	0	0	3	6	MBG5424	PROTEOMICS	E	3	0	0	3	6		
	MBG5429	CONTEMPORARY METHODS IN HUMAN GENETICS	E	3	0	0	3	6	MBG5426	GENETICS OF MENDELIAN AND NON-MENDELIAN DISEASES	E	3	0	0	3	6		
	Total Credits							12	30	Total Credits							9	30
STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING									
	Code	Course Title	Type	T	A	L	Credit	ECTS	Code	Course Title	Type	T	A	L	Credit	ECTS		
	MBG5173	THESIS SEMINAR (THESIS)	M	0	2	0	0	5	MBG5184	ADVANCED TOPICS IN MSC THESIS IV	M	4	0	0	0	5		
	MBG5183	ADVANCED TOPICS IN MSC THESIS III	M	4	0	0	0	5	MBG5194	MSc THESIS RESEARCH IV	M	0	1	0	0	25		
	MBG5193	MSc THESIS RESEARCH III	M	0	1	0	0	20										
	Total Credits							0	30	Total Credits							0	30
TOTAL CREDITS: 21 - TOTAL ECTS: 120																		

Not: The student is expected to take a total of ...12... credited, ...4... selective courses every academic term.

The student has the option of choosing one selective course from another department with the endorsement of the supervisor.

M: mandatory course, **E:** elective course