

Faculty of Engineering and Natural Sciences (FENS)			
Doctor of Philosophy (Ph.D.) in Genetics and Bioengineering			
Course group	Course code	Course name	ECTS
Required	ENS666	Advanced Research Methodologies and Design	12
Elective Courses	BIO601	Research Activity	6
	BIO602	Molecular Biomedicine	6
	BIO603	Cell Dynamics and Disease	6
	BIO604	Advanced Structural Bioinformatics	6
	BIO620	Environmental Biotechnology	6
	BIO621	Environmental Microbiology	6
	BIO644	Advanced Plant Physiology	6
	BIO645	Advanced Plant Biotechnology	6
	BIO646	Special Topics in Life Sciences 2	6
	BIO647	Modern Approaches to Genome Analysis	6
Required	BIO700	Scientific Activity (Research Seminar)	12
	BIO790	Doctoral Dissertation	120
Graduate Studies: summary of conditions for successful completion of studies			
Category	Summary:		
Courses*	Required courses:12 ECTS Elective courses: 36 ECTS		
Scientific Activity (Research Seminar)	Required: 12 ECTS		
PhD thesis	Required: 120 ECTS		
Total	180 ECTS		
*The candidate may take maximum 2 courses from 500 level courses.			

Ver. 1/24-25

Last update: 21/02/2025

SENATE DECISION: IUS-SENAT-11-461/2025; February 13, 2025