

Standard Master program in Biology (Genetics)

(Dated October 29th, 2015)

The total minimum required number of credits:	64 credits
- General courses (required):	07 credits
- Fundamental and core courses:	39 credits
+ Required:	18 credits
+ Elective:	21/48 credits
- Master thesis:	18 credits

Available curriculum

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
I	General courses		7				
1.	PHI5001	<i>Philosophy</i>	3	30	15		
2.	ENG5001	<i>General English</i>	4	30	30		
II	Fundamental and core courses		39				
II.1. Required			18				
3.	ENG6001	<i>English for Academic Purposes</i>	3				
4.	BIO6001	<i>Biosystematics</i>	3	30		15	
5.	BIO6002	<i>Molecular Cell Biology</i>	3	30		15	
6.	BIO6062	<i>Biodiversity and conservation</i>	3	30		15	BIO6001, BIO6002
7.	BIO6060	<i>Molecular Genetics</i>	3	30		15	BIO6001, BIO6002

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
8.	BIO6088	<i>Genetics of Human disease</i>	3	30		15	BIO6001, BIO6002
II.2. Elective			21/48				
9.	BIO6057	<i>Genetic Principles of Plant Breeding</i>	3	30		15	BIO6001, BIO6002
10.	BIO6014	<i>Prokaryotic and viral genetics</i>	3	30		15	BIO6001, BIO6002
11.	BIO6070	<i>Recombinant protein technology</i>	3	30		15	BIO6001, BIO6002
12.	BIO6061	<i>Human molecular genetics</i>	3	30		15	BIO6001, BIO6002
13.	BIO6089	<i>Principle of gene modification and application</i>	3	30		15	BIO6001, BIO6002
14.	BIO6004	<i>Animal Genetics</i>	3	30		15	BIO6001, BIO6002
15.	BIO6058	<i>Principles of Cancer Genetics</i>	3	30		15	BIO6001, BIO6002
16.	BIO6092	Plant breeding	3	30		15	BIO6001, BIO6002
17.	BIO6059	<i>Animal Selection and Breeding</i>	3	30		15	BIO6001, BIO6002
18.	BIO6005	<i>Cell cycle</i>	3	30		15	BIO6001, BIO6002
19.	BIO6003	<i>Experimental Biochemistry</i>	3	30		15	BIO6001, BIO6002
20.	BIO6071	<i>Molecular Human Pathology</i>	3	30		15	BIO6001, BIO6002

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
21.	BIO6063	<i>Molecular Physiology</i>	3	30		15	BIO6001, BIO6002
22.	BIO6068	<i>Molecular Microbiology</i>	3	30		15	BIO6001, BIO6002
23.	BIO6067	<i>Microbial Ecology: Fundamentals and Applications</i>	3	30		15	BIO6001, BIO6002
24.	BIO6069	<i>Microbial Signaling</i>	3	30		15	BIO6001, BIO6002
III	Master Thesis		18				
25.	BIO7008	<i>Master Thesis</i>	18				
Total			64				