

PhD program in Plant Physiology (2013)

The total minimum required number of credits:	94 credits
- Coursework:	20 credits
+ Basic courses:	12 credits
• Required:	09 credits
• Elective:	03/6 credits
+ Advanced foreign languages for academic purposes:	04 credits
+ Advanced courses:	06/12 credits
+ Overview:	02 credits
- Research	
- PhD Thesis:	70 credits

Available curriculum :

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
I	Part 1. Foreign language						
1.	ENG8001	<i>Advanced English for Academic Purposes</i>	4			60	
II	Part 2. Coursework						
II.1	Basic courses		12				
II.1.1	Required		9				
2.	BIO8068	<i>Photosynthesis and crop productivity</i>	3	30		15	
3.	BIO8069	<i>Physiology of stress tolerance in plants</i>	3	30		15	
4.	BIO8070	<i>Plant cell technology</i>	3	30		15	
II.1.2	Elective		3/6				

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
5.	BIO8071	<i>Microalgae biotechnology</i>	3	30		15	BIO8068, BIO8069, BIO8070
6.	BIO8072	<i>Plant growth regulators</i>	3	30		15	BIO8068, BIO8069, BIO8070
II.2	Advanced courses		6/12				
7.	BIO8073	<i>Molecular pathology of plants</i>	3	30		15	BIO8068, BIO8069, BIO8070
8.	BIO8074	<i>Regulation of gene expression</i>	3	30		15	BIO8068, BIO8069, BIO8070
9.	BIO8063	<i>Systematics and evolution of higher sporophytes with the modern views</i>	3	30		15	BIO8068, BIO8069, BIO8070
10.	BIO8075	<i>Applied genetic engineering in crop improvement</i>	3	30		15	BIO8068, BIO8069, BIO8070
II.3	Overview		2				
11.	BIO8076	<i>Research Perspective Report</i>	2			30	
III	Part 3. Research (research planning, publishing ...)						
IV	Part 4. Doctoral Thesis						
12.	BIO9008	<i>Doctoral Thesis</i>	70				
Total			94				