

## List of courses

### A1. Compulsory courses which are taught by the Laboratories of the Department of Biotechnology

L.C.	Course	Semester	Outline	Learning Outcomes
2790	Cell Biology	1o	<a href="#">Download</a>	<a href="#">Download</a>
565	Physics	1o	<a href="#">Download</a>	<a href="#">Download</a>
3300	Biochemistry-Biomolecules	2o	<a href="#">Download</a>	<a href="#">Download</a>
3565	Plant Physiology	2o	<a href="#">Download</a>	<a href="#">Download</a>
3400	Biochemistry-Metabolism	3o	<a href="#">Download</a>	<a href="#">Download</a>
380	Genetics	3o	<a href="#">Download</a>	<a href="#">Download</a>
275	Molecular Biology	3o	<a href="#">Download</a>	<a href="#">Download</a>
155	Population Genetics	4o	<a href="#">Download</a>	<a href="#">Download</a>
3200	Recombinant DNA technology –omics	4o	<a href="#">Download</a>	<a href="#">Download</a>
1960	Evolution	4o	<a href="#">Download</a>	<a href="#">Download</a>
3040	Bioinformatics	5o	<a href="#">Download</a>	<a href="#">Download</a>
3210	Microbial Biotechnology	5o	<a href="#">Download</a>	<a href="#">Download</a>
3625	Molecular Ecology and Adaptation	5o	<a href="#">Download</a>	<a href="#">Download</a>
3600	Nanotechnology and Biosensors	5o	<a href="#">Download</a>	<a href="#">Download</a>
3500	Immunology	6o	<a href="#">Download</a>	<a href="#">Download</a>
218	Biophysics	6o	<a href="#">Download</a>	<a href="#">Download</a>
3180	Analytical Biotechnology	6o	<a href="#">Download</a>	<a href="#">Download</a>
3170	Pharmacognosy and Bioactive products	6o	<a href="#">Download</a>	<a href="#">Download</a>
175	Animal Biotechnology	7o	<a href="#">Download</a>	<a href="#">Download</a>
3350	Enzyme Biotechnology	7o	<a href="#">Download</a>	<a href="#">Download</a>
205	Plant Biotechnology	8o	<a href="#">Download</a>	<a href="#">Download</a>
2905	Molecular Enzymology	8o	<a href="#">Download</a>	<a href="#">Download</a>
3370	Growth, Development and Signal Transduction	8o	<a href="#">Download</a>	<a href="#">Download</a>

<b>3220</b>	Plant Development & Intercellular Communication	8o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3604</b>	Clinical and Pharmaceutical Biotechnology	9o	<a href="#">Download</a>	<a href="#">Download</a>

#### A2. Elective courses which are taught by the Laboratories of the Department of Biotechnology

<b>L.C.</b>	<b>Course</b>	<b>Semester</b>	<b>Outline</b>	<b>Learning Outcomes</b>
<b>3575</b>	Physics Methods in Biotechnology	2o	<a href="#">Download</a>	<a href="#">Download</a>
<b>2</b>	Genetics & Biology of perennial plants	3o	<a href="#">Download</a>	<a href="#">Download</a>
<b>233</b>	Physics of Life	3o	<a href="#">Download</a>	<a href="#">Download</a>
<b>232</b>	Special Topics in Modern Genetics	4o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3602</b>	Plant - Microorganism Interactions	5o	<a href="#">Download</a>	<a href="#">Download</a>
<b>1405</b>	Molecular Recognition	5o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3190</b>	Cell Culture Technology	6o	<a href="#">Download</a>	<a href="#">Download</a>
<b>278</b>	Viral Genetics	6o	<a href="#">Download</a>	<a href="#">Download</a>
<b>1425</b>	Quantitative Traits	7o	<a href="#">Download</a>	<a href="#">Download</a>
<b>283</b>	Computational - Translational Genetics	7o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3606</b>	Molecular Biology & Regulation	7o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3241</b>	Applications of Biomaterials in Biotechnology	7o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3610</b>	Environmental Biotechnology	8o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3050</b>	Genetics of Model Organisms	8o	<a href="#">Download</a>	<a href="#">Download</a>
<b>279</b>	Data Analysis in Genetics	8o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3603</b>	System Biology	9o	<a href="#">Download</a>	<a href="#">Download</a>
<b>3607</b>	Genetics Diseases	9o	<a href="#">Download</a>	<a href="#">Download</a>
<b>282</b>	Heredity and Epigenetic Modulations	9o	<a href="#">Download</a>	<a href="#">Download</a>
<b>234</b>	Plant Biotechnology 2	9o	<a href="#">Download</a>	<a href="#">Download</a>
<b>236</b>	Data Management, Analysis and Visualization using R	9o	<a href="#">Download</a>	<a href="#">Download</a>

### B1. Compulsory Courses which are taught by other Laboratories of the University

L.C.	Course	Semester	Outline	Learning Outcomes
160	General and Inorganic Chemistry	1o	<a href="#">Download</a>	Download
3330	Introduction to Informatics	1o	<a href="#">Download</a>	Download
555	Mathematics	1o	<a href="#">Download</a>	Download
105	Statistics	1o	<a href="#">Download</a>	Download
545	Introduction to Agriculture	1o	<a href="#">Download</a>	Download
44	English I	1o	<a href="#">Download</a>	Download
1280	General Microbiology	2o	<a href="#">Download</a>	Download
1390	Organic Chemistry	2o	<a href="#">Download</a>	Download
3445	Computer programming and Applications	2o	<a href="#">Download</a>	Download
45	English II	2o	<a href="#">Download</a>	Download
3290	Instrumental Chemical Analysis	3o	<a href="#">Download</a>	Download
46	English III	3o	<a href="#">Download</a>	Download
165	Analytical Chemistry	4o	<a href="#">Download</a>	Download
3360	Physical Chemistry	4o	<a href="#">Download</a>	Download
47	English IV	4o	<a href="#">Download</a>	Download

### B2. Elective Courses which are taught by other Laboratories of the University

L.C.	Course	Semester	Outline	Learning Outcomes
293	History Of Modern Biology	2o	<a href="#">Download</a>	<a href="#">Download</a>
3695	Agricultural Zoology and Entomology	2o	<a href="#">Download</a>	Download
3615	Didactics: Methodology & Practice	2o	<a href="#">Download</a>	Download
2885	Bioclimatology	2o	<a href="#">Download</a>	Download
3655	Agriculture	2o	<a href="#">Download</a>	Download
115	General Viticulture	3o	<a href="#">Download</a>	Download
156	Ecology	3o	<a href="#">Download</a>	Download
125	Zootechnics	3o	<a href="#">Download</a>	Download
3660	Food Microbiology	3o	<a href="#">Download</a>	Download

<b>3390</b>	Food Chemistry	4o	<a href="#">Download</a>	Download
<b>1500</b>	Beekeeping - Sericulture	4o	<a href="#">Download</a>	Download
<b>3440</b>	Pomology	4o	<a href="#">Download</a>	Download
<b>595</b>	Diet and Metabolism	4o	<a href="#">Download</a>	Download
<b>3380</b>	Food Biochemistry	4o	<a href="#">Download</a>	Download
<b>16</b>	Applied Genetics and Animal Breeding	5o	<a href="#">Download</a>	Download
<b>914</b>	Statistical Data Analysis using Statistical Packages	5o	<a href="#">Download</a>	Download
<b>3450</b>	Nutrition in the Stages of Life	5o	<a href="#">Download</a>	Download
<b>775</b>	Vegetable Production	6o	<a href="#">Download</a>	Download
<b>1850</b>	General Phytopathology	6o	<a href="#">Download</a>	Download
<b>1205</b>	Principles of Food Biotechnology	6o	<a href="#">Download</a>	Download
<b>3515</b>	Agricultural Experimentation	6o	<a href="#">Download</a>	Download
<b>3715</b>	Marketing of Agricultural Products and Food	7o	<a href="#">Download</a>	Download
<b>680</b>	Farm Animals Nutrition	7o	<a href="#">Download</a>	Download
<b>3601</b>	Organic Agriculture & Authentication of agricultural systems	8o	<a href="#">Download</a>	Download
<b>1955</b>	Agricultural Pharmacology	8o	<a href="#">Download</a>	Download
<b>3570</b>	Nutrition and Public Health	8o	<a href="#">Download</a>	Download
<b>3480</b>	Functional Foods	8o	<a href="#">Download</a>	Download
<b>270</b>	Principles and Methods of Plant Improvement	9o	<a href="#">Download</a>	Download
<b>3725</b>	Strategic Business Planning	9o	<a href="#">Download</a>	Download
<b>222</b>	Intelligent Systems and Data Mining	9o	<a href="#">Download</a>	Download
<b>3490</b>	Nutrition and Sport	9o	<a href="#">Download</a>	Download
<b>12</b>	Hydrobiology – Planktonology	9o	<a href="#">Download</a>	Download
<b>3580</b>	Quality and Organoleptic Food Control	9o	<a href="#">Download</a>	Download