

Curriculum of the Geobioinformatics MSc Program

Course Name	Course Type	Evaluation	Credit	Lecture Hours/Week	Lab Hours/Week
First Semester					
Modern Molecular Biology	A	E	5	2	2
Management and Publication	A	MTG	4	2	2
IT Basics and Databases	A	MTG	5	1	3
Data Analysis and Visualization	A	MTG	5	1	3
GIS	A	E	5	2	2
Introduction to Bioinformatics	A	E	5	2	2
Total			29	10	14

Course Name	Course Type	Evaluation	Credit	Lecture Hours/Week	Lab Hours/Week
Second Semester					
Biological Applications of Bioinformatics	A	E	5	2	2
Machine Learning	A	MTG	4	1	3
Remote Sensing	A	E	5	2	2
Sequence and Structural Bioinformatics	A	E	5	2	2
Latest Bioinformatics Research	A	MTG	4	2	2
Master's Thesis	A	MTG	5	0	4

Optional Subject	C	MTG	3	1	1
Total			31	10	16

Notes:

1. Course Type:

- A = Compulsory
- B = Elective in Engineering Field
- C = Elective
- K = Criteria (No Credit)

2. Evaluation:

- E = Exam
- MTG = Mid-term Grade
- S = Signature