

**COMPULSORY COURSES****1st YEAR (10 compulsory courses) - BF-19**

Numb.	Course	Year	Semester <sup>1</sup>	Language
1	Algebra I - Matrix Calculus	1st	Autumn	English
2	Analysis I - Foundations of Analysis	1st	Autumn	English
3	Programming I	1st	Autumn	English
4	Computer Practicum	1st	Autumn	English
5	Theoretical Computer Science I	1st	Autumn	English
6	Data Programming	1st	Spring	English
7	Organic Chemistry and Biochemistry	1st	Spring	English
8	Analysis II - Infinitesimal Calculus	1st	Spring	English
9	Genetics	1st	Spring	English
10	Algebra II - Linear Algebra	1st	Spring	English

**2nd YEAR (9 compulsory and 1 elective course) - BF-17**

Numb.	Course	Year	Semester <sup>1</sup>	Language
1	Data Structures and Algorithms	2nd	Autumn	English
2	Introduction to Database Systems	2nd	Autumn	English
3	Theoretical Computer Science I	2nd	Autumn	English
4	Foundations of Physics with Biophysics	2nd	Autumn	English
5	Statistics	2nd	Spring	English
6	Organic Chemistry and Biochemistry	2nd	Spring	English
7	Data Programming	2nd	Spring	English
8	Algorithms in Bioinformatics	2nd	Spring	English
9	Systems II -Operating Systems	2nd	Spring	English
10	Internal elective course	2nd		

**ELECTIVE COURSES**

Numb.	Course	ECTS-credits	Course will be available on the course schedule for the year of study	Internal/external elective course	Course leader	Language	Semester <sup>1</sup>
1	Mathematical Chemistry	6	2nd	internal	Nino Bašić	English	Spring, consultations
2	Systems Biology Approach in Human Disease Study	6	2nd	internal	Katja Lakota	English	Spring

## NOTES:

[1] Semester: Academic calendar 2019/20 is published on Faculty website <https://www.famnit.upr.si/en/education/general-information#heading2>.

**SUBSEQUENT CHANGES OF OFFERED COURSES:**

Possible subsequent changes of the offered courses will be published in this document.