

Programme Plan
Programme, level of studies BIOTECHNOLOGY (1st degree studies) BS course
Academic Year 2022/2023 - Cycle from 2020/2021

Year III Semester V**Predicted number of students in the semester 3**

	COMPULSORY COURSES							
No.	Course name	Type of class	Number of teaching hours	Form of assessment	Number of groups	Total hours	ECTS Points	Course instructor
1.	Plant cell and tissue cultures	lecture	15	Exam	1	15	4	dr Aleksandra Seta – Koselska
		classes	30	Graded Pass	1	30		dr Aleksandra Seta – Koselska
2.	Industrial microbiology	lecture	30	Exam	1	30	5	dr Marta Kłos
		classes	45	Graded Pass	1	45		dr Marta Kłos
	SPECIALISATION COURSES - ELECTIVE (one to choose from)Specialisation: Industrial biotechnology							
No.	Course name	Type of class	Number of teaching hours	Form of assessment	Number of groups	Total hours	ECTS Points	Course instructor
1.	Biotechnological methods in pharmacy	lecture	30	Exam	1	30	6	dr Monika Jach
		classes	30	Graded Pass	1	30		dr Elżbieta Kochanowicz
2.	Technologies and bioprocess engineering - extended course	lecture	30	Exam	1	30	10	dr Agnieszka Kuźniar
		classes	60	Graded Pass	1	60		mgr Kamila Górka
	ELECTIVE COURSES* Seminars (one to choose from)							
1.	Bioremediation in environment	seminar	30	Pass	1	30	1	dr hab. Anna Szafranek – Nakonieczna, prof. KUL
	ELECTIVE COURSES* Practical placement - 4 weeks							
1.	Practical placement	practical placement	130	Pass	1	130	4	dr hab. Anna Sierosławska, prof. KUL

NUMBER OF TEACHING HOURS PER SEMESTER PER STUDENT:	300
ECTS POINTS PER SEMESTER PER STUDENT:	30

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Year III Semester VI

Predicted number of students in the semester 3

	COMPULSORY COURSES							
No.	Course name	Type of class	Number of teaching hours	Form of assessment	Number of groups	Total hours	ECTS Points	Course instructor
1.	Animal cell and tissue cultures	lecture	15	Exam	1	15	4	dr hab. Anna Sierosławska, prof. KUL
		classes	30	Graded Pass	1	30		dr hab. Anna Sierosławska, prof. KUL
2.	Economics of production	classes	15	Graded Pass	1	15	1	dr Maria Paździor
	SPECIALISATION COURSES - ELECTIVE (one to choose from)Specialisation: Industrial biotechnology							
No.	Course name	Type of class	Number of teaching hours	Form of assessment	Number of groups	Total hours	ECTS Points	Course instructor
1.	Immunology – extended course	lecture	15	Exam	1	15	7	dr hab. Anna Rymuszk, prof. KUL
		classes	30	Graded Pass	1	30		dr Magdalena Michalak – Tomczyk
2.	Analytical methods in biotechnology - basic course	lecture	15	Exam	1	15	5	dr Artur Banach
		classes	30	Graded Pass	1	30		dr Artur Banach, dr hab. Anna Szafranek – Nakonieczna, prof. KUL
	ELECTIVE COURSES Monographic lectures (one or two to choose from – for 2 ECTS credits)							
No.	Course name	Type of class	Number of teaching hours	Form of assessment	Number of groups	Total hours	ECTS Points	Course instructor
1.	Immunocytochemical methods in biotechnology and medicine	lecture	30	Graded Pass	1	30	2	dr hab. Konrad Kubiński, prof. KUL
	ELECTIVE COURSES Seminars (one to choose from). Bachelor's thesis and preparation for diploma examination - student is required to prepare bachelor’s thesis							
1.	Bioremeditation in environment	seminar	30	Pass	1	30	1	dr hab. Anna Szafranek – Nakonieczna, prof. KUL
1.	Bachelor's thesis and preparation for diploma examination	final thesis	0	Pass	1	0	10	dr hab. Anna Szafranek – Nakonieczna, prof. KUL

NUMBER OF TEACHING HOURS PER SEMESTER PER STUDENT:	225
ECTS POINTS PER SEMESTER PER STUDENT:	30