

Basic Module											
Code	Subject	Course Director	Faculty	Institute2	Semester	Lec/week	Pra/week	Sem/week	Credit	Grade	
OBA103-T	Applied mathematics and biostatistics	Dr. Grama László	AOK	Department of Biophysics	1	1	0	2	2	midsemester grade	
OBA104-T	Basic genetics	Dr. Hoffmann Gyula	TTK	Department of Biology	1	1	0	0	0	signature	
OBA106-E	Biophysics - lecture	Dr. Bugyi Beáta	AOK	Department of Biophysics	1	2	0	0	2	exam	
OBA106-G	Biophysics - practice	Dr. Bugyi Beáta	AOK	Department of Biophysics	1	0	1	0	1	midsemester grade	
OBA107-E	Cell biology - lecture	Dr. Pap Marianna	AOK	Department of Medical Biology	1	2	0	0	2	exam	
OBA107-G	Cell biology - practice	Dr. Pap Marianna	AOK	Department of Medical Biology	1	0	1	0	1	midsemester grade	
OBA108-E	Biochemistry - lecture	Dr. Kovács Krisztina	AOK	Department of Biochemistry and Medical Chemistry	1	2	0	0	2	exam	
OBA108-G	Biochemistry - practice	Dr. Kovács Krisztina	AOK	Department of Biochemistry and Medical Chemistry	1	0	2	0	2	midsemester grade	
OBA110-E	Human physiology - lecture	Dr. Karádi Zoltán	AOK	Department of Physiology	1	2	0	0	2	exam	
OBA110-G	Human physiology - practice	Dr. Karádi Zoltán	AOK	Department of Physiology	1	0	1	0	2	midsemester grade	
OBA101-E	Ethics - lecture	Dr. Szolcsányi Tibor	AOK	Department of Behavioural Sciences	2	1	0	0	0	signature	
OBA101-S	Ethics - seminar	Dr. Szolcsányi Tibor	AOK	Department of Behavioural Sciences	2	0	0	1	2	midsemester grade	
OBA105-T	Genetical bioinformatics	Dr. Fekete Csaba	TTK	Department of Medical Microbiology and Immunology	2	1	2	0	2	midsemester grade	
OBA109-E	Protein bioanalytics - lecture	Dr. Kilár Ferenc	AOK	Institute of Bioanalysis	2	2	0	0	2	exam	
OBA109-G	Protein bioanalytics - practice	Dr. Kilár Ferenc	AOK	Institute of Bioanalysis	2	0	1	0	1	midsemester grade	
OBA111-E	Basic Immunology - lecture	Dr. Németh Péter	AOK	Department of Immunology and Biotechnology	2	2	0	0	2	exam	
OBA111-GS	Basic Immunology - practice and seminar	Dr. Németh Péter	AOK	Department of Immunology and Biotechnology	2	0	1	1	2	midsemester grade	
OBA112-E	Microbiology - lecture	Dr. Szereday László	AOK	Department of Medical Microbiology and Immunology	2	2	0	0	2	exam	
OBA112-G	Microbiology - practice	Dr. Szereday László	AOK	Department of Medical Microbiology and Immunology	2	0	1	0	1	midsemester grade	
OBA102-T	Basics in Economy, Management and Communication	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	3	1	0	1	2	midsemester grade	

Specialised Core Material Module										
Code	Subject	Course Director	Faculty	Institute2	Semest	Lec/we	Pra/we	Sem/w	Credit	Grade
OBA119-T	Basics in cell and tissue cultures	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	1	0	1	1	2	midsemester grade
OBA114-T	Genetic manipulation and GMO	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	2	0	2	1	2	midsemester grade
OBA115-E	Pharmaceutical biotechnology - lecture	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	2	0	0	4	exam
OBA115-GS	Pharmaceutical biotechnology - practice and seminar	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	0	1	1	0	signature
OBA120-T	Visits in industry	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	2	0	3	0	2	midsemester grade
OBA116-E	Industrial fermentation - lecture	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	3	2	0	0	3	exam
OBA116-G	Industrial fermentation - practice	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	3	0	1	0	0	signature
OBA117-E	Molecular pathogenesis, functional genomics - lecture	Dr. Fekete Csaba	TTK	Department of Medical Microbiology and Immunology	3	2	0	0	2	exam
OBA117-G	Molecular pathogenesis, functional genomics - practice	Dr. Fekete Csaba	TTK	Department of Medical Microbiology and Immunology	3	0	2	0	2	midsemester grade
OBA118-E	Molecular toxicology - lecture	Dr. Némethi Balázs	AOK	Department of Pharmacology and Pharmacotherapy	3	2	0	0	2	exam
OBA118-G	Molecular toxicology - practice	Dr. Némethi Balázs	AOK	Department of Pharmacology and Pharmacotherapy	3	0	2	0	1	midsemester grade
OBA113-T	Biotechnology and the law, quality assurance	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	1	0	1	2	midsemester grade
Thesis Work										
Code	Subject	Course Director	Faculty	Institute2	Semest	Lec/we	Pra/we	Sem/w	Credit	Grade
OBA121-T	Diploma thesis work I.	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	0	3	0	4	midsemester grade
OBA122-T	Diploma thesis work II.	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	3	0	7	0	10	midsemester grade
OBA123-T	Diploma thesis work III.	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	0	12	0	16	midsemester grade

Specialty in Medical Biotechnology

Code	Subject	Course Director	Faculty	Institute2	Semest	Lec/wk	Pra/wk	Sem/w	Credit	Grade
OBH006-T	Introduction to Developmental Biology	Dr. Balogh Péter	AOK	Department of Immunology and Biotechnology	1	2	0	0	2	exam
OBH001-E	Production of proteins for medical applications - lecture	Dr. Berki Tímea	AOK	Department of Immunology and Biotechnology	2	2	0	0	2	exam
OBH001-GS	Production of proteins for medical applications - practice and seminar	Dr. Berki Tímea	AOK	Department of Immunology and Biotechnology	2	0	1	1	2	midsemester grade
OBH002-E	Molecular Medicine - lecture	Dr. Bene Judit	AOK	Department of Medical Genetics	2	2	0	0	2	exam
OBH002-G	Molecular Medicine - practice	Dr. Bene Judit	AOK	Department of Medical Genetics	2	0	2	0	2	midsemester grade
OBH004-E	Molecular Therapies - lecture	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	1	0	0	3	exam
OBH004-S	Molecular Therapies - seminar	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	0	0	2	0	signature
OBH005-E	Molecular Targets – Signal Transduction - lecture	Dr. Berki Tímea	AOK	Department of Immunology and Biotechnology	3	2	0	0	2	exam
OBH005-G	Molecular Targets – Signal Transduction - practice	Dr. Berki Tímea	AOK	Department of Immunology and Biotechnology	3	0	2	0	2	midsemester grade
OBH007-E	Molecular Developmental Biology and Transdifferentiation - lecture	Dr. Balogh Péter	AOK	Department of Immunology and Biotechnology	3	3	0	0	3	exam
OBH007-G	Molecular Developmental Biology and Transdifferentiation - practice	Dr. Balogh Péter	AOK	Department of Immunology and Biotechnology	3	0	2	0	2	midsemester grade
OBH003-E	Molecular Diagnostics - lecture	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	1	0	0	1	exam
OBH003-GS	Molecular Diagnostics - practice and seminar	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	0	1	1	2	midsemester grade
OBH008-E	Advanced Tissue Culture Technologies - lecture	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	2	0	0	2	exam
OBH008-G	Advanced Tissue Culture Technologies - practice	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	0	2	-	3	midsemester grade

Specialty in Pharmaceutical Biotechnology

Code	Subject	Course Director	Faculty	Institute2	Semest	Lec/wk	Pra/wk	Sem/w	Credit	Grade
OBI001-T	Pharmacology and Biotechnology in Medical Practice	Dr. Szőke Éva	AOK	Department of Pharmacology and Pharmacotherapy	1	2	0	0	2	exam
OBI003-E	Immunology in Biotechnology - lecture	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	2	0	0	4	exam
OBI003-S	Immunology in Biotechnology - seminar	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	2	0	0	2	0	signature
OBI004-E	Protein Biotechnology - lecture	Dr. Sipos Katalin	GYTK	Department of Pharmaceutical Biology	2	2	0	0	2	exam
OBI004-G	Protein Biotechnology - practice	Dr. Sipos Katalin	GYTK	Department of Pharmaceutical Biology	2	0	2	0	2	midsemester grade
OBI006-E	Medical Plant Biotechnology - lecture	Dr. Horváth Györgyi	GYTK	Department of Pharmacognosy	2	2	0	0	2	exam
OBI006-G	Medical Plant Biotechnology - practice	Dr. Horváth Györgyi	GYTK	Department of Pharmacognosy	2	0	2	0	3	midsemester grade
OBI005-E	Proteins: Industrial Production, Application in Therapy, Biopharmacy - lecture	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	3	3	0	0	3	exam
OBI005-G	Proteins: Industrial Production, Application in Therapy, Biopharmacy - practice	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	3	0	1	0	3	midsemester grade
OBI005-S	Proteins: Industrial Production, Application in Therapy, Biopharmacy - seminar	Dr. Kvell Krisztián	GYTK	Department of Pharmaceutical Biotechnology	3	0	0	2	0	signature
OBI007-E	Pharmaceutical Technology - lecture	Dr. Pál Szilárd	GYTK	Institute of Pharmaceutical Technology and Biopharmacy	3	2	0	0	4	exam
OBI007-G	Pharmaceutical Technology - practice	Dr. Pál Szilárd	GYTK	Institute of Pharmaceutical Technology and Biopharmacy	3	0	1	0	0	signature
OBI002-E	Biotechnology in Medical Diagnostics and Therapy - lecture	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	1	0	0	5	midsemester grade
OBI002-GS	Biotechnology in Medical Diagnostics and Therapy - practice and seminar	Dr. Pongrácz Judit	GYTK	Department of Pharmaceutical Biotechnology	4	0	1	3	0	signature