

Module title		Abbreviation
Introduction to Molecular Biological Analysis for Food Chemistry Students		o8-LMC-MBA-192-mo1
Module coordinator		Module offered by
holder of the Chair of Food Chemistry		Institute of Pharmacy and Food Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
5	(not) successfully completed	o8-LMC-LMA
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Basics in methods in molecular biology - theory and practice.		
Intended learning outcomes		
The students can perform basic molecular biology techniques for DNA isolation, polymerase chain reaction, agarose gel electrophoresis and restriction enzyme digestion and they can interpret molecular biological data.		
Courses (type, number of weekly contact hours, language – if other than German)		
P (3) + S (2)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
a) Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), documentation and assessment of practical assignments (approx. 2 to 4 pages per analysis, no more than 60 pages total) or b) completion and written documentation (approx. 1 to 2 pages) of a theoretical assignment (approx. 30 minutes), Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), documentation and assessment of practical assignments in lab notebook (approx. 2 to 4 pages per analysis, no more than 60 pages total)		
Assessment offered: usually once a year, winter semester		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Food Chemistry (2019)		
Bachelor' degree (1 major) Food Chemistry (2021)		