Module title			Abbreviation
Introduction to Molecular Biological Analysis for Food Chemistry Students			08-LMC-MBA-152-m01
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	08-LMC-LMA	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Theoretical and practical principles of methods in molecular biology.

Intended learning outcomes

Students are able to perform essential molecular biological techniques for DNA isolation, polymerase chain reaction, agarose gel electrophoresis and restriction enzyme digestion. They can interpret molecular biological data independently.

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)

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 (2015)
Bachelor' degree (1 major) Food Chemistry (2016)