

Module title		Abbreviation
Protein biochemistry and expression of recombinant proteins		07-5S2PS3-092-m01
Module coordinator		Module offered by
holder of the Chair of Plant Physiology and Biophysics		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
In this module, students will acquire a knowledge of methods for recombinant protein expression, protein isolation and protein purification as well as the biophysical and biochemical analysis of proteins. Current scientific publications on these topics will be presented and discussed in English.		
Intended learning outcomes		
Students have acquired knowledge and skills in the areas of recombinant protein expression and subsequent purification as well as protein analysis. They are able to interpret and deliver presentations on scientific publications.		
Courses (type, number of weekly contact hours, language – if other than German)		
This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> • 07-5S2PS3-1PP-092: Ü (no information on SWS (weekly contact hours) and course language available) • 07-5S2PS3-2PP-092: S (no information on SWS (weekly contact hours) and course language available) 		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.		
Assessment in module component 07-5S2PS3-1PP-092: Protein biochemistry and expression of recombinant proteins (laboratory course) <ul style="list-style-type: none"> • 9 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English 		
Assessment in module component 07-5S2PS3-2PP-092: Protein biochemistry and expression of recombinant proteins - Progress in plant physiology (seminar) <ul style="list-style-type: none"> • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) 		
Allocation of places		
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Additional information		
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Workload		
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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) Biology (2007)

Bachelor' degree (1 major) Mathematics (2007)