

Module title		Abbreviation
Developmental Biology of Plants and Animals		07-GY-EBIO1T-092-m01
Module coordinator		Module offered by
Dean of Studies Biologie (Biology)		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
6	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	By way of exception, additional prerequisites are listed in the section on assessments.
Contents		
<p>Developmental biology describes all processes involved in the development of a single zygote into a complex organism. Coordinated cell division is essential. Cells combine to form organs. New structures develop that, at a later stage, must be able to interact to carry out complex processes in the organism. The module will focus on the processes involved in animal and plant developmental biology.</p>		
Intended learning outcomes		
<p>Awareness of fundamental principles of developmental biology. Detailed knowledge of processes related to organogenesis and the establishment of embryonic axes. Knowledge of model organisms in developmental biology. Knowledge of the molecular biological processes occurring during development. Awareness of interrelations between ontogeny and evolution (biogenetic law). Ability to perform and interpret lab experiments in developmental biology.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> • 07-GY-EBIO1T-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-GY-EBIO1T-2-092: V (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)		
<p>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.</p> <p>Assessment in module component 07-GY-EBIO1T-1-092: Developmental Biology of Animals (Lecture, Practice) Developmental Biology of Animals (Lecture, Practice)</p> <ul style="list-style-type: none"> • 4 ECTS, Method of grading: numerical grade • written examination (30 to 60 minutes) • Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment. <p>Assessment in module component 07-GY-EBIO1T-2-092: Developmental Biology of Plants (Lecture)</p> <ul style="list-style-type: none"> • 2 ECTS, Method of grading: numerical grade • written examination (20 to 40 minutes) 		
Allocation of places		
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Additional information		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 61 (1) 2. Biologie "Physiologie der Pflanzen und Tiere"		



Module appears in

First state examination for the teaching degree Gymnasium Biology (2009)