Module title	Abbreviation
Basic Data Processing	07-SQF-EDV-132-m01

Module coordinator		Module offered by	
holder of the Chair of Bioinformatics		Faculty of Biology	

ECTS	Method of grading	Only after succ. compl. of module(s)	
3	numerical grade	--	

Duration	Module level	Other prerequisites	
1 semester	undergraduate	--	

Contents

In this module, students will acquire fundamental computer skills that are essential not only for students of biology: - up-to-date information on hardware and software, data protection and data security - basic information on Windows and Linux operating systems - in the area of software, the course will focus on Office applications students will be required to work with during their university studies: word processing, spreadsheets, presentation and database software - in addition, the course will focus on topics from the areas of communication technology, the internet, network technology and image processing

Intended learning outcomes

Students have developed fundamental knowledge on the state of the art in the area of computers and software for bioscientists. They have gained an overview of prevalent operating systems and know how to backup and protect data. Students are able to use MS Office-like software to address in particular scientific issues and know how to search for information on the internet. They know how to create and maintain web pages and are familiar with tools for these purposes. Students are proficient in image editing software and techniques and know how to embed images into documents in specific formats, as they will be required to do when writing scientific publications.

Courses (type, number of weekly contact hours, language — if other than German)

Ü (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)

a) written examination (approx. 45 to 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 of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete varies according to subject area but will not exceed a maximum of 4 hours). Students will be informed about the method and length of the assessment prior to the course.

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 (2013)