### Module title
Special Bioinformatics I

### Abbreviation
07-4S1MZ6-092-m01

### Module coordinator
holder of the Chair of Bioinformatics

### Module offered by
Faculty of Biology

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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## Contents
Fundamental principles of the tree of life, fundamental principles of phylogenetics (methods and markers), fundamental principles of evolutionary biology (concepts), sequence analysis, RNA structure prediction, phylogenetic reconstruction.

## Intended learning outcomes
Students are able to use software and databases for sequence analysis, RNA structure prediction and phylogenetic reconstruction.

### Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
log (approx. 10 to 20 pages)

### Allocation of places
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### Additional information
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### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### Module appears in
- Bachelor's degree (1 major, 1 minor) Biology (Minor, 2008)
- Bachelor's degree (1 major) Computational Mathematics (2009)
- Bachelor's degree (1 major) Biology (Minor, 2007)
- Bachelor's degree (1 major) Mathematics (2007)
- Bachelor's degree (1 major) Mathematics (2008)
- Bachelor's degree (1 major) Biology (2007)