

# QBio801: Project Planning

**Module Responsible:**  
Prof. Dr. Matias Zurbriggen

**Version:**  
23/11/2020

**Module Organizer:**  
Prof. Dr. Matias Zurbriggen

**Type:**  
Compulsory

**Lecturer:**  
Prof. Dr. Lutz Schmitt, Prof. Dr. Matias Zurbriggen, Prof Dr. Benjamin Stich

Total Working Time	Credit Points	Contact Time	Self Study	Duration
180 h	6 CP	60 h	120 h	1 Semester

Course Components	Group Size	Frequency
Lecture: 2 SWS Seminar: 2 SWS	P: 40 P: 20	Every Summer Semester

**Learning Competencies:**

After completing the module, students:

- develop and write a research-based concept for a research project;
- convincingly demonstrate the relevance of their research approach;
- describe the methods to be used and justify their choice;
- describe expected results plausible, identify and name potential obstacles and problems and plan targeted alternative strategies.
- understand the data types produced by a particular experiment and develop an appropriate data analysis scheme, including proper statistical analysis and data displays
- Time plan and budget (personal, resources);
- Presentation and defence of research proposal.

**Content:**

- Full Research Cycle
  - The Problem
  - Literature Research
  - Idea Development
  - Experimental Design
  - Data Analysis and Modelling
- Writing of a Research Proposal

**Conditions of Participation:**

Enrolled in Quantitative Biology QBio202

**Examination:**

Learning portfolio consisting of:

- Presentation of the project proposal

- Project Description (written report)

**Prerequisites for Awarding Credits for this Module:**

- Passing the Presentation of the project proposal
- Passing the Project Description (written report)

**Factor for the Overall Grade:**

The grade is weighted according to the credit points (CP) in the overall grade.

**Language:**

English

**Literature:**

**Further Information: -**