

Field work, Seminar, Lab course



The module "**Marine Biotechnology**" is a course for **Master students** in the curricula "**MSc Biology**", "**MSc Biochemistry**", and "**Med Biologie**" and provides teaching in marine biology, botany, ecology, and microbial biotechnology. The module consists of a field trip, seminar, and lab course scheduled for the first half of **summer term 2025** (presumably **May 5 to June 13**). Following successful participation in the exam, the module will be credited with **9 ECTS**.

In a first part, **seminar presentations** by students (2-3 weeks before the field trip, dates to be announced) will introduce into different aspects of marine biology especially methods for marine biotechnology. The **sailing trip** is scheduled for **Fri. May 17 to Sun. May 25, 2025**. During the field trip, students will be introduced to state-of-the-art methods in sampling and sequencing of metagenomes of various habitats. Additionally, lectures on the flora of the unique islands of the northern Adriatic Sea will be delivered on site. After returning to Ulm, students will participate in a **lab course (May 15 to Jun. 02)** to complete (meta)genomic sequencing, and process and analyze the data for features interesting for biotechnological applications.

Students interested in participating in this module have to register by Email to: christian.riedel@uni-ulm.de. **Deadline for registration** is **Fr. Dec. 6, 2024**, at **12:00h**. Participation is limited to 7-8 students due to the number of berths on the yacht. Available slots will be assigned basically on "first come, first serve" basis but and selection may be made according to the requirements on a sailing yacht. Financial contribution of participants towards the costs of the sailing trip will be in the range of € 250-400 depending on support from other sources.