

Call for applications for the graduate summer school “Acoustic Communication”, August 3-16, 2024

Graduate course arranged by the Sound Communication and Behavior group, University of Southern Denmark, Odense, Denmark

Application deadline April 1st, 2024

The course focuses on methods and techniques for studying animal sound communication in air (infra-, ultra- and sonic ranges), in water, and in solids (vibrations). It includes lectures, practicals, and excursions with time for discussion and student presentations. Introductory lectures aim at giving an overview of the subject of acoustic communication followed by special lectures on the fundamentals of acoustics, signal analysis, psychoacoustics, animal sound production, and noise. Practical aims at giving the students hands-on experience of sound and vibration recording, sound analysis, and playback in air and water with emphasis on methodological limitations and pitfalls. MatLab will be used throughout the course, but prior experience is not required. The applicants will be evaluated through group presentations of practicals.

Time: August 3-16, 2024

Location: The course will be held at the [terrestrial](#) field station of the Department of Biology located about 30 mins south of Odense. Two days we will work at our [marine](#) field station in Kerteminde, about 20 mins east of Odense.

Teachers: Iris Adam (SDU, DK), Elodie Mande-Briefer (Copenhagen University, DK), Jakob Christensen-Dalsgaard (SDU), Coen P.H. Elemans (SDU), Hannah ter Hofstede (Dartmouth, USA), Lasse Jakobsen (SDU), Mark Johnson (Aarhus University, DK), Natasha Mhatre (University of Western Ontario, CN), Ole Næsbye Larsen (SDU), Peter Teglberg Madsen (Aarhus University, DK), Nicolas Mathevon (ENES, FR), Jeppe Have Rasmussen (Copenhagen University, DK), Jakob Tougaard (Aarhus University, DK) Magnus Wahlberg (SDU), Sue Anne Zollinger (Manchester Metropolitan University, UK).

Participants: Priority is given to students enrolled in a PhD-program at their home universities. MSc-students and post-docs may attend if space permits. The maximal number of participants is 24.

Fees: DKK 10,000 (approximately USD 1,400 and EUR 1,400) to cover tuition, transport during course, accommodation, and all meals.

Language: English

ECTS points: 10

Application procedure: To apply, please send the following documents in PDF format:

- Curriculum vitae (max. 2 pages), indicating level of English language proficiency.
- A statement of your reasons for wishing to attend the course and your potential benefits of participation including a description of your research interests, the title of your PhD-project (or MSc-project), and name(s) of your supervisor(s) (max. 1 page).

The application should be **emailed to** bioacoustics@biology.sdu.dk by April 1st, 2024. The 24 successful applicants will be notified of acceptance before May 1st, 2024.

Course directors: Coen Elemans & Jakob Christensen-Dalsgaard, Department of Biology, University of Southern Denmark. coen@biology.sdu.dk, jcd@biology.sdu.dk.

Course webpage: <https://www.sdu.dk/en/forskning/sound-communication-behaviour/education/graduate-course-bioacoustics>