Faculty	Nature and Engineering, Biology
Course Title	**Environmental Biology V - Ecosystems Field Work (4.9)**
Number of ECTS credits	6
Hours per week (SWS)	4 + 8
Semester	Spring/summer: Bachelor
Course objective	Ability to plan, carry out and evaluate ecological field studies; understanding of basic ecological principles (e.g. zoning, material cycles, energy flow); knowledge transfer theory-practice; basic knowledge on the management of habitats (sustainable use, nature conservation, landscape planning) against the background of competing demands on the use of nature and landscape
Prerequisites	Basic knowledge of the variety of forms of native flora and fauna; successful participation Ecosystem Theory
Recommended reading	Will be specified when the excursion begins
Teaching methods	Field Studies
Assessment methods	Successful participation in examination (presentation, 30 minutes)
Language of instruction	English and German
Name of lecturer	Prof. Dr. Thomas Klefoth
Email	thomas.klefoth@hs-bremen.de
Link	https://www.hs-bremen.de/internet/en/studium/stg/istab/praxis/
Course content	Investigation of ecosystem properties (species, biotopes, key factors) of North German habitats: flowing waters: macro-zoobenthos, physicochemical and biological water quality determination, stream morphology; deciduous forest: vegetation, flora, stock maintenance, mapping methods; North Sea salt marshes: zonation, flora, physiological adaptation; Wadden Sea: fauna, physiological and morphological adaptation; grassland: vegetation, management; marshland ditches: water quality, fish fauna