

Ecological Risk Assessment: Issues and Applications to Improve Decision Making

Om kurset

uddannelse	ph.d.
Hjemmeside	https://certification.setac.org/courses/course-list/
Undervisningssprog	English
national_online	kurset vises på den nationale database
vært	Ph.d.-skolen for Naturvidenskab og Miljø
Tilmelding	Send an email to Mette Christina Nielsen: mettecn@ruc.dk no later than 15 May 2017
Ekstern underviser	Prof G. Allen Burton, Jr., University of Michigan Dr. Dan Salvito, Research Institute for Fragrance Materials
kursusform	Aims and Content: The course aims to provide an introductory overview of the most essential methods commonly used in the environmental sciences. The course will be structured such that participants switch between lectures, addressing the theory behind the methods, and practical computer exercises using relevant datasets. Should participants have appropriate data sets from their own research, they are encouraged to bring these for use in the practical exercises. Rather than provide comprehensive coverage of any single technique, the course aims to teach students how to identify the most appropriate technique(s) for specific types of data sets (including own results), how to test assumptions prior to analysis, and how to interpret the resulting statistical output. Guidance will be provided to assist students in finding references and software to address specific problems of interest for their own research
Kursusdage	Dates and Times: 5 June – 9 June, 2017; 9:00 – ca. 17:00 Place: Søminestationen (RUCs field station), Holbæk, Denmark
Deltagelseskrav for opnåelse af ECTS	Active participation in all parts of the course and satisfactory completion of exercises is required to obtain a course certificate.
ECTS	5
Indhold	The Ecological Risk Assessment process consist typically of 4 stages: 1) Problem Formulation 2) Exposure and Effects Characterization 3) Risk Characterization 4) Risk Management. Frequently, this process is actually describing hazard, rather than risk. We will review the basic elements of the first three stages with examples of approaches that range from screening to advanced methods. At each stage the strengths and limitations of the approaches will be emphasized, particularly in regard to how they are integrated and influence uncertainty in the hazard/risk characterization; with subsequent implications on management decisions. In situ-based approaches that improve the linkage of stressor (physical and chemical) exposures to biological effects will be demonstrated during afternoon lab and field exercises. Students will design and present an ERA to address a common scenario found in human-dominated freshwater or coastal ecosystems. The course is both recognized as an international PhD course, where students can get 5 ECTS, and approved as an official SETAC Europe CRA course (further info on CRA ECTS at https://certification.setac.org).
pris	Course fee for PhD students and CRA students: 6.000 DKK. This course is not free of charge for PhD students. (referring to the further information at PhD Courses Denmark homepage: The university at which the Ph.D.-student wants to take a course, can in some instances charge payment for covering the expenses for course materials, meals and refreshments). Course fee for other participants: 10.000 DKK. The fee covers, in addition to material etc in relation to lab and field work, accommodation and meals at the field station.

Maksimum antal deltagere	15
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Underviser	Henriette Selck (selck@ruc.dk)