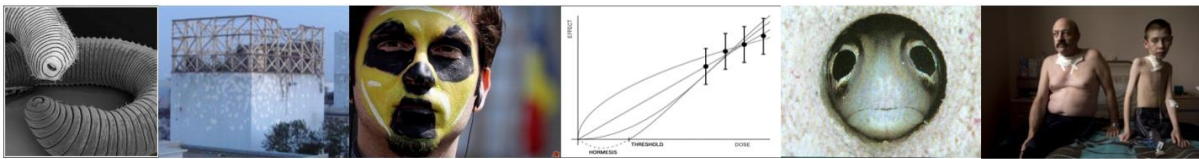


Assessing Risk to Humans and the Environment

5 ECTS Training Course

June 17th-28th 2024



Assessing Risks to Humans and Environment (KJM360) is a two-week intensive course held at the Norwegian University of Life Sciences as part of the ongoing MSc in Environmental Nuclear Sciences. The course gives 5 ECTS, and certification for training in the ERICA Assessment Tool.

Aim

The aim of the course is to give students a grounding in the theory and skills needed to carry out environmental risk assessment for humans and non-human biota, including hands-on training in risk assessment tools and models, as well as practical laboratory demonstrations and exercises.

In addition to learning the basic theory and strengths of risk assessment and management, students are given insights into the assumptions, uncertainties and limitations of the tools and models. The central theme is environmental risk assessment, hence the course focuses on the exposure of humans to radionuclides in the environment, as well as the exposure of non-human biota to ionising radiation. The course does not cover worker or medical exposures in any great depth, although these themes are touched upon when the tools used are similar (e.g., radiation dose calculations and epidemiology). While the course concentrates on the approaches used in radiation risk assessment and management, it also covers the assessment of other chemicals and stressors. This provides nuclear science and radiation protection students with important insights into similarities and differences in risk assessment and management of ionising radiation as compared to other stressors. For environmental science students, it gives an opportunity to learn more about environmental risk assessment in general, using ionising radiation as a case study.

Topics covered include international regulation and policy, risk communication and perception, data management, and social and ethical aspects of risk management.

Audience

The course has previously attracted MSc and PhD students of environmental science, ecology and nature management, as well as those from nuclear sciences, and is also popular with professionals (giving training certificates in assessment tools), thus offering important networking opportunities for students.

Application is open to persons from member states of the European Union and its associated countries. However, a small number of places can be assigned to applicants from other regions. The course is planned with 15 to 20 participants.

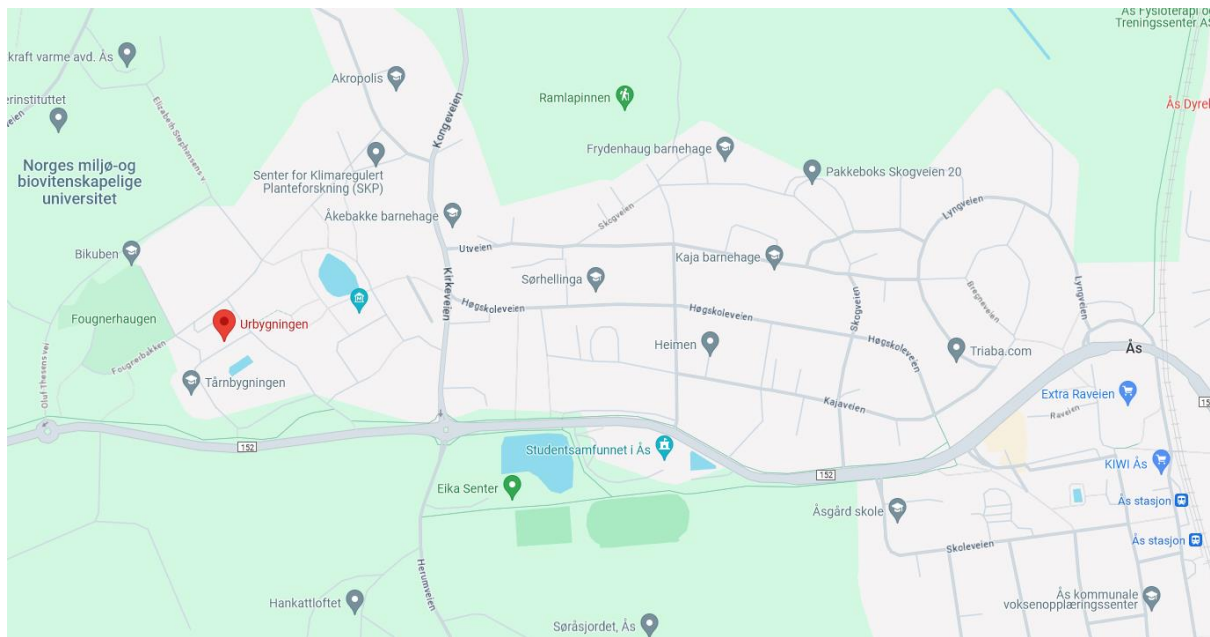
A sufficient command of English is required (at least B2 according to the Common European Framework of Reference for Languages).

Lecturers

All lectures, case studies and group work will be directed by experts from NMBU (Norway), Norwegian Radiation Protection and Nuclear Safety Authority – DSA (Norway), Afry and Stockholm University (Sweden), Cambridge University (UK), University of Manchester (UK).

Venue

The course will be held at the Norwegian University of Life Sciences, Aas, Norway.



Accommodation

A limited number of grants are available to cover accommodation in college facilities on campus. In addition, there are guest houses and Air BnBs available close to the University in Ås, and a range of hotels in Oslo (19 min train journey) or Ski (15 min bus journey). Information about other housing alternatives can be provided upon request.

Costs

Participation in the course will be free of charge thanks to the funding by PIANOFORTE, however, students wishing to obtain ECTS credits will be expected to cover a university teaching fee (ca. 50 EUR). Travel costs (journey, accommodation that is not covered by the grant and meals other than those mentioned below) will be covered by the participants.

PIANOFORTE offers travel grants for early-career professionals and researchers:

<https://pianoforte-partnership.eu/calls/travel-grants-for-researchers>

<https://pianoforte-partnership.eu/calls/travel-grants-for-early-career-radiation-protection-professionals>

We recommend that you apply for one of these grants (deadline 31st March). You can make the registration to the course dependent on the assignment of a travel grant. In this case we will inform you about your general approval for the course, to enable you to apply for the travel grant immediately. PIANOFORTE approval of travel grants is usually within a couple of weeks of the application deadline.

Catering

Free lunches will be provided throughout the course. Social activities organized within the course include free food and drinks. In case you have any specific dietary requirements (vegan, halal, kosher or any other), please tell us after approval of your application. You will also be allowed to bring your own food.

Organisation

All course materials will be provided to you online.

A certificate of participation will be issued to all participants, and ECTS credits are offered to those registered with NMBU.

If you have any specific requirements that need to be considered by the organisers, please tell us after approval of your application.

For all questions regarding the application and organisation, please contact yevgeniya.tomkiv@nmbu.no

Key dates

March 24 th	Deadline for registration
March 26 th	Invitation sent to participation, possibly dependent on approval of a travel grant
June 17 th -28 th	Training course

Registration

Please send the following structured information to yevgeniya.tomkiv@nmbu.no if you want to register for the training course:

- Family name
- Given name
- E-mail address
- Phone number
- Age
- Current occupation
- Affiliation (organization name, city and country)
- Vocational education, completed or current study or the like
- Time in years since completion of study or vocational training (if applicable)
- Command of English according to the Common European Framework (A1-C2) according to your own assessment
- Whether you would like accommodation covered by the course (in college campus housing)
- Whether the application is dependent on assignment of a travel grant

- Motivation and other information that will help the organisers to approve your registration (100 to 200 words)
- Any other information or questions that you regard as relevant for the selection