

PhD-course: Risk, uncertainty and decision-making 7.5 Credits

Course web: <https://evidence.blogg.lu.se/graduate-course-in-risk-uncertainty-and-decision-making-fall-2019/>

Course directors: Ullrika Sahlin Ullrika.sahlin@cec.lu.se, Daniel Slunge and Åsa Knaggård

Participants are expected to prepare in advance to the meetings by reading the assigned literature. The course is examined through attendance of the physical meetings and a completed individual paper.

Reading block I

Prepare to literature seminar

Meeting in Gothenburg

Oct 8th *Scientific perspectives on risk analysis*

10.30 Introduction to the course, [Ullrika Sahlin](#) and [Daniel Slunge](#)

11.00 Environmental Engineering, [Lars Rosén](#)

12.00 The anthropology of risk management, [Åsa Boholm](#)

Lunch

Theme Chemical mixtures

14.00 Chemical risk assessment, [Thomas Backhaus](#)

15.00 Health impacts from chemical mixtures, TBA

16.00 Mixtures exposure and effect in Ecology, [Maj Rundlöf](#)

17.00 An economic perspective on assessing and managing chemical mixture risks, [Jessica Coria](#)

Oct 9th *Scientific perspectives on uncertainty and decision making*

09.00 Uncertainty and decision theory in Mathematics, [Ullrika Sahlin](#)

10.00 Working with risk in an interdisciplinary context, [Kelsey Lamere](#)

11.00 – 14.00 Literature seminar incl. lunch

Reading block II

Read all course literature

Meeting in Lund

Nov 5th *Social science and Philosophical perspectives on risk, uncertainty and decision making*

10.30 Political sciences approaches in risk research, [Åsa Knaggård](#)

11.30 – 16.00 Risk Communication, [Ragnar Löfstedt](#) (incl lunch)

Nov 6th *Scientific perspectives on managing and assessing risk and uncertainty*

9.00 Risk assessment and risk research in societal safety, [Henrik Hassel](#)

10:30 Risk Philosophy, [Sven Ove Hansson](#)

Lunch

14.00 Uncertainty communication and its psychological effects, [Anne Marten van der Bles](#)

16.00 – 17.30 Discussion seminar "Self-reflection on students own research in the context of risk, uncertainty and decision making" – Åsa Knaggård and Ullrika (Research questions on risk, Methods to study risk)

Nov 7-8th Copenhagen (optional)

Nordic Chapter of the Society for Risk Analysis Conference: keynote and contributed talks on different topics in risk research. www.risklab.dtu.dk/sra-nordic-2019. The course participants are encouraged to attend and we are looking for options to cover the conference fee.

Individual paper (mandatory)

The individual paper should be reflection where at least two themes of the course is discussed in relation to the participants PhD subject or field of interest.