



NANOSAFETY, 5 ECTS CREDITS

LUND UNIVERSITY COMMISSIONED EDUCATION
SCHOOL OF WORK ENVIRONMENT AND LEADERSHIP, LTH

This course is given for postgraduate students (PhD students) at Lund University, but is also offered for external participants as commissioned education.

AIM

The aim of the course is to mediate knowledge of safe manufacturing and handling of engineered nanoparticles and of nanomaterials i.e. materials containing nanoparticles, in the perspective of human health and of environment. Aspects such as safety important particle characteristics, exposure- and emission assessment, nano toxicology, precautionary principle, safe-by-design, human-technology interaction, risk assessment, risk management, risk communication, life cycle analysis, legislation, and ethical aspects will be covered.

WHO SHOULD ATTEND?

To promote network building and enable knowledge exchange, the course is open for both PhD students and representatives from industrial and governmental sectors.

CONTENT

Particle properties (size, shape, aspect-ratio, solubility, chemical composition), lung deposition and clearance, emissions, exposure, toxicity, risk management, human-technology interaction, biomarkers, engineering controls and personal protection, risk- and safety communication, food chain transport, life cycle analyses, ethical aspects, and legislation.

LECTURES

Associate senior lecturer Christina Isaxon, course coordinator, at Aerosol Technology, Design Sciences, LTH.

Schedule with all lectures TBA

APPLY HERE: www.dinkurs.se/91363

Admission requirements

No formal requirements for representatives from industry and legislation.

Course dates and location

The course is given during two weeks in 2024, on April 22-25 and June 3-5 + 7. The course will be onsite in Lund but it also possible to attend online.

Number of participants

Maximum 10 external participants.

Course fee

SEK 21.000 excluding VAT.

Contact

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Other questions:
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CENTRE FOR NANOSCIENCE



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