

LOE Seminar Series 2025/2026 - Materials Horizons , 1.0 credits

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Third-cycle education course

6FITN72

Department of Science and Technology

Valid from: Second half-year 2025

Approved by
The Board of PhD Studies

Approved
2025-06-23

Registration number

Entry requirements

Admitted as a doctoral student in the Laboratory of Organic Electronics division or as a doctoral student in a related subject from any LiU department.

Learning outcomes

This course will expose students to new areas of research in their own and related fields. They will be given the opportunity to discuss this research with field-leading experts and develop the skills required to work in interdisciplinary environments.

After finishing the course, the student should be able to:

- Analyse results from fields of research that are new to them (by conducting background reading).
- Discuss research in a small group setting.
- Formulate relevant questions or make relevant comments to work presented in papers or talks.
- Communicate effectively with researchers with different areas of expertise.
- Explain the context of their research within their own field and how it may relate to other fields
- Explain basic concepts in fields that are tangential but relevant to their own
- Consider how concepts from other fields could be used to improve their own research.

Contents

The course will be conducted as monthly in-person seminars and workshops by visiting guest lecturers who are leading researchers in LOE relevant fields.

Students will participate in at least 7 of 12 seminars and at least 2 of 12 small group workshops.

Seminars will be on cutting-edge research in areas such as materials chemistry, materials modelling methods, device physics, bioelectronics, wearable devices, plant electronics, photovoltaics or energy storage.

Small group workshops will be conducted after seminars. Students will sign up to the workshop sections in advance and will be sent several relevant papers on the seminar topic to read and prepare questions for the guest lecturer.

Educational methods

Seminars (7 x 1 hour)

Group Workshop (2 x 2 hours)

Independent preparation/reading (2 x 8 hours)

Examination

Examination consists of

- Attendance in-person at seven seminars per module
- Participation in-person in two group workshop per module. During this students must demonstrate adequate preparatory reading and thinking by contributing relevant and insightful questions or comments.

Grading

Two-grade scale