

2EDSL-2 Environmental Education

Emnekode: 2EDSL-2

Studiepoeng: 10

Semester

Autumn

Språk

English

Krav til forkunnskaper

None

Læringsutbytte

Upon completing this qualification, the student will have achieved the following learning outcomes, defined in terms of knowledge, skills and general competence:

Knowledge

The student

- has knowledge of ecological conditions and key species in Norwegian habitats
- has knowledge of the importance of biodiversity and what characterises sustainable development
- has knowledge of energy issues, pollution and climate challenges in Norway
- has an overview of the most important environmental projects in Norwegian Schools

Skills

The student

- can reflect on and discuss causes of environmental challenges and identify possible solutions to alleviate them

- can organise and lead exploratory teaching and learning in Norwegian habitats
- can reflect on Norwegian environmental challenges in an international context
- can plan and implement educational programmes for sustainable development

Competence

The student

- can apply his or her knowledge to work with children on issues pertaining to sustainable development
- can apply his or her knowledge to inspire environmental commitment

Innhold

- Nature adventures and nature knowledge as a foundation for commitment to the environment, biodiversity and sustainable development
- The natural scientific basis: knowledge of species, life cycles, ecology and Norwegian habitats, the energy concept
- Energy production (hydroelectric, wind energy, bioenergy, fossil energy and energy consumption)
- Climate challenges globally and in Norway
- Environmental challenges related to soil and water in Norway
- Conflicts of interest in Norway: windmills and conservation, bioenergy and forest protection, Norway as an oil nation and at the same time an environmental advocate
- Exploratory education and science inquiry for sustainable development: Environmental projects in Norwegian kindergartens and schools, international climate projects with participating schoolchildren

Arbeids- og undervisningsformer

- Lectures and seminars
- Practical work in the laboratory with various forms of energy and environmental technology
- Web discussion
- Excursions and field trips

Obligatoriske krav som må være godkjent før eksamen kan avlegges

- 80 % attendance is required for lectures, seminars and workshops

- Participation in practical laboratory work

Eksamen

- A written individual in-depth assignment which counts for 40 % of the marks
- Oral individual exam which counts for 60 % of the marks

Examination marks are awarded on a scale from A (best) to F (fail), where E is the lowest pass mark.

Ansvarlig fakultet

Fakultet for lærerutdanning og pedagogikk