



## ***ON THE ROAD***

**MAR-E1037 LANDSCAPE ECOLOGY IN PLANNING**  
(10 CREDITS)

(Information will be updated during the course)

Teachers: Assistant professor Elisa Lähde, landscape architects Vilja Larjosto and Tiina Falck  
Language: Suomi / Englanti

**Fri 9.15–16.00** The course will be held online.

The course starts at **Fri 14.1. 9.15.**

NOTE. The course involves a compulsory preliminary assignment, the return of which 13.1.

# The course description

Landscape can be seen as a complex social-ecological system, where green structures generate ecosystem services. Ecosystem services are utilized by human beings in various ways and landscape is managed based on human needs. To understand this human-nature interaction, we will focus on defined landscape, Pyhä Luosto area, where the approach to landscape is dominated by tourism. By using a social-ecological systems perspective to understand tourism and landscape interactions in northern areas, the aim is to create visions for sustainable and resource-wise future land use.

Learning outcomes: After completing the course, students 1) are capable to identify processes, changes, potentials and problems in ecological processes, 2) are able to understand and assess the interconnection between abiotic, biotic and human factors, as well as their spatial and temporal distributions and 3) take these factors into consideration during landscape planning process. In addition, the course contributes to the acquisition of competences for independent research on the topic and for further learning.

## Completion of the course

The scope of the study course is 10 cr. The most important content is the design task and related subtasks to be performed in pairs (or in a group of 3) as well as the seminars that support the work. Course includes a field trip, but it will otherwise be carried out remotely.

The course does not have a common design task, but each team shapes their own task based on their own interests and the general theme of the course – sustainable and resource-wise tourism- and the site - Pyhä Luosto Area.

At the beginning of the design task, analyzes are prepared for the site in small groups, after which the planning phase is conducted. Planning work is basically a pair job (or a group of 3 people) where couples have defined their division of labor. The outputs of the analysis and planning phase are compiled into a joint final report.

It is also possible to get 4 ECTS in the course: as a special work, which includes seminars, lectures, a learning diary written based on the analysis phase and an essay.

### Study methods:

Tutored studies 55 hrs: lectures, seminars, review sessions, tutoring for the preparation of the assignments

Independent study 225 hrs: readings, analyzing and planning assignments

In total 270 hrs, 10 credits

# The course phases

The course is divided into **three phases**: the analysis phase, the concept phase and the planning phase. The lectures introducing the themes are on the beginning of the course and on the second and third phase tutoring of the assignments is emphasized. Reviews between phases are an important part of course completion. Intermediate assignments prepared for them provide material for the final report that will be returned in the end of the course.

## **I THE ANALYSIS PHASE, 14.1.-11.2.2022**

Lectures: trends of tourism, social-ecological systems approach, resource-wise approach, northern landscapes and ecology

Field trip 3.-4.2.

Tutoring and review: analysis of the site in groups

## **II THE CONCEPT PHASE, 18.2.-25.3.2022**

Topic related readings and references

Tutoring: Concepts and definition of social ecological systems

Review: Concepts and definition of social ecological systems

## **III THE PLANNING PHASE 25.3.-27.5.2022 - tarkennettu suunnitelma**

Topic related readings and references

Tutoring: Possible scenarios or land use options, final landscape plan (1:2 000 – 1:10 000)

Review: Final report