



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

**PLS0005 The Value of Water in the Landscape and society, 4.5 credits**

## Syllabus approved

2005-02-16

## Subjects

Landscape Planning

## Education cycle

Third cycle

## Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

## Language

English

## Prior knowledge

**THE VALUE OF WATER IN THE LANDSCAPE AND SOCIETY:  
AN INTEGRATIVE AND MULTIFUNCTIONAL APPROACH**

One-week multi-disciplinary intensive course for ca. 15-20 Ph.D. students in fields such as landscape planning and management, agriculture and technology, horticulture and water resource planning and management.

## **Objective, including learning outcomes**

The E.U. Water Framework Directive embodies the principles of sustainable environmental, economic and social development. It provides a new integrative element in environmental and landscape planning which means that water can no longer be regarded as an element that is primarily of concern to water management specialists. This course follows up on the directive by taking an integrated and multifunctional approach to water in which economic, technical, biological, ecological, historical and aesthetic landscape values are taken into consideration on a global as well as on a local scale. It will be concerned with the demands for multifunctional approaches to water research, management and planning that take into account both rural production, urban requirements and effects on the water and the need for landscape amenities for an increasingly urbanized population. The concepts of green and blue water and their interdependence will be addressed. Water will be seen as supplying the underlying "blue structure" of the landscape. It is, on the one hand, a resource serving functional purposes (e.g. as water for agriculture, industry and domestic users), and, on the other, a major amenity for recreation, health, ecology and aesthetic attractiveness. It can also present a major threat to the landscape, through e.g. soil erosion and flooding, if there is poor planning and deficient regulation..

## **Content**

### **Aims:**

This seminar will allow students to interact on an intensive basis with leading international level scholars and peers in the area of water research, management and planning. As a course at the doctoral level, students are expected to take an active role. Thus students are expected, before the course, to prepare a paper, based on their own research, which seeks to take into account the need for an integrated approach to the role of water in design and planning. The educational goal is to help students to integrate a multi-disciplinary comprehension of water into their specialization.

### **Structure:**

The course will be led on a day-to-day basis throughout the week by SLU staff from the Integrated Water Research Group – SLU-Alnarp & Öresund. It will focus on the contribution of internationally respected guest professors including Prof. of Landscape Architecture, Anne Whiston Spirn, MIT, Department of Urban Studies & Planning, Malin Falkenmark and Håkan Tropp, from the Stockholm International Water Institute, and Dr. Henrik Vejre, from The Royal Veterinary and Agricultural University, Denmark. Each guest will give a lecture and otherwise

participate in the student seminar. The course language will be English.

#### Application for the Course

This course will only be offered if there are an adequate number of qualified applicants, so it is therefore important that potential applicants inform us of their interest as soon as possible. You need not have a specialized interest in water, but you must be working on an advanced degree (e.g. a Ph.D.). Please send us a short preliminary letter of application with information concerning your educational background and your interest in water. Please, also, let us know when it would be most suitable or unsuitable for you to take the course. Upon acceptance to the course, and after the dates for the course are announced, you will be asked to make a binding commitment to taking the course. Students must cover the cost of transportation plus room and board (we will try to keep these costs to a minimum). There should be no tuition cost.

#### **Requirements for examination**

Pass/Fail based on written paper and oral participation.

#### **Additional information**

Course to be held from the 5th to the 9th of October, 2005.

Course leaders and responsible departments:

Prof. Kenneth Olwig, Landscape Planning; Dr. Lennart Nilsson, Department of Agricultural Biosystems and Technology; Dr. Jesper Persson, Department of Landscape Management and Horticulture Technology; Docent Beatrix Alsanius, Department of Crop Science.

#### **Responsible department**

Faculty of Landscape Architecture, Horticulture and Crop Production Science