SLU
SWEDISH UNIVERSITY
OF AGRICULTURAL
SCIENCES

Course catalogue for exchange students - autumn semester

This list is subject to change.

Alnarp

Title	Subject area	Credits
Agroecology and sustainability of production systems	Agricultural sciences	15,0 hp
Agroecology basics	Agricultural sciences	15,0 hp
Agroforestry	Agricultural sciences	15,0 hp
Scientific methods, tools and thesis writing	Agricultural sciences, Horticultural sciences	15,0 hp
Advanced plant breeding and genetic resources	Biology	15,0 hp
Applied plant biotechnology	Biology	15,0 hp
Basic and applied ecology	Biology	15,0 hp
Basic ecology	Biology	7,5 hp
Environmental issues in crop production	Biology	15,0 hp
Horticultural systems and future challenges	Biology	15,0 hp
Hydroponic systems in horticultural production and public environment	Biology	15,0 hp
Integrated pest management in sustainable production systems	Biology	15,0 hp
Introduction to plant biology for sustainable production	Biology	15,0 hp
Plant growth and development	Biology	15,0 hp
Business management in forest and landscape	Business administration	15,0 hp
Product development and innovation systems in horticulture	Business administration	15,0 hp
Sustainable agri-food value chains and bioeconomy	Business administration	15,0 hp
Foodscapes 1	Food science	15,0 hp
Foodscapes 2	Food science	15,0 hp
GIS in forest and landscape	Forest management	7,5 hp
Urban trees and forest health	Forest management	7,5 hp
Forest modelling for sustainable forest management	Forest science	7,5 hp
Global forests and land-use decisions	Forest science	7,5 hp
Silviculture in forest and landscape	Forest science	15,0 hp
Silviculture of temperate forests	Forest science	15,0 hp
Sustainable forestry in southern Sweden	Forest science	15,0 hp
Trees, structure and function	Forest science	15,0 hp
Advanced landscape architecture theory and professional practice	Landscape architecture	15,0 hp
Analysis of forested landscapes	Landscape architecture	15,0 hp
Design project – advanced planting design	Landscape architecture	15,0 hp
Digital landscape visualisation	Landscape architecture	15,0 hp
Forest and landscape governance	Landscape architecture	7,5 hp
Innovation and implementation	Landscape architecture	15,0 hp
Landscape architecture theory, methodology & practice	Landscape architecture	15,0 hp
People and environment	Landscape architecture	15,0 hp
Planning project – large scale structures, analysis and EIA	Landscape architecture	15,0 hp
Planning project – transforming urban landscapes	Landscape architecture	15,0 hp
Space, place and mobility	Landscape architecture	15,0 hp
Urban forestry – management of urban forests and trees	Landscape architecture	15,0 hp
Vegetation design	Landscape architecture	7,5 hp

ONLINE

Title	Subject area	Credits
Basic animal breeding and genetics	Animal science	7,5 hp
Sustainable aquaculture	Animal science	15,0 hp
Analyses of environmental data 1	Biology	7,5 hp
Anthrozoology in practice	Biology	15,0 hp
Research methods in social sciences	Business administration	15,0 hp
Sustainable agri-food value chains and bioeconomy	Business administration	15,0 hp
Nature based interventions	Environmental psychology	15,0 hp
Outdoor environments for children and youth	Environmental psychology	15,0 hp
Place, activity and human development	Environmental psychology	15,0 hp
Environmental perception and experience	Environmental science	15,0 hp
Food ethics	Food science	7,5 hp
Ecology and management of diseases and pests of forest trees	Forest science	15,0 hp
Sustainable forestry and land-use management in the tropics	Forest science	15,0 hp

UMEÅ

Title	Subject area	Credits
Applied population ecology	Biology	15,0 hp
Fish and wildlife census techniques	Biology	15,0 hp
Forest ecology and conservation biology	Biology	15,0 hp
Forest history – human utilisation and vegetation dynamics	Biology	15,0 hp
Forest ecosystem ecology	Forest science	15,0 hp
Economic analyses of forestry problems	Forest science	7,5 hp
Ecological disturbances in forests – silvicultural challenges under climate change	Forest science	15,0 hp
Structure and politics of the global forest sector	Forest science	15,0 hp

UPPSALA

Title	Subject area	Credits
Advanced animal welfare and animal protection	Animal science	15,0 hp
Advanced animal nutrition	Animal science	15,0 hp
Animal science – a scientific approach	Animal science	7,5 hp
Animal science – a sustainable approach	Animal science	7,5 hp
Biology of lactation	Animal science	7,5 hp
Bioinformatics	Bioinformatics	15,0 hp
Genome analysis	Bioinformatics	15,0 hp
Experimental approaches in plant growth analysis and phenotyping	Biology	15,0 hp
Plant pathology	Biology	15,0 hp
Marketing, responsibility and ethics	Business administration	15,0 hp
Sustainability and financial reporting	Business administration	15,0 hp
Introduction to environmental communication – society, social interaction and communicative skills	Environmental science	15,0 hp
Making sustainable futures – an introduction to futures studies and scenario techniques	Environmental science	7,5 hp
Food chemistry and food physics	Food science	15,0 hp
Structure and politics of the global forest sector	Forest science	15,0 hp
Landscape architecture: History, theory and practice	Landscape architecture	15,0 hp
Studio – Water environments and landscape architecture	Landscape architecture	15,0 hp
Sustainability perspectives on contemporary fisheries. Where have all the fishes gone?	Soil science	7,5 hp

Title	Subject area	Credits
Animal welfare and behavior	Animal science	15,0 hp
Research training and projects including laboratory animal science	Animal science	15,0 hp
Ecology for fish management and conservation	Biology	15,0 hp
Forest conservation biology	Biology	15,0 hp
Fungi and insects in the managed forest	Biology	7,5 hp
Genetic diversity and plant breeding	Biology	15,0 hp
Plant growth and development	Biology	15,0 hp
Plant microbe interactions	Biology	15,0 hp
Principles of fisheries science	Biology	15,0 hp
Leadership and sustainability	Business administration	15,0 hp
Management perspectives for sustainable food systems	Business administration	15,0 hp
Production economics	Business administration	15,0 hp
Quantitative finance	Business administration	15,0 hp
Agricultural economics, policy and trade	Economics	7,5 hp
Cost benefit analysis of agricultural and environmental projects	Economics	7,5 hp
Economic growth and sustainable development	Economics	7,5 hp
Experimental methods for economics and business studies	Economics	7,5 hp
Management of biological resources	Economics	7,5 hp
Methods in economics	Economics	15,0 hp
Natural resource and environmental economics	Economics	7,5 hp
The economics of sustainable development	Economics	15,0 hp
Topics in agricultural economics for sustainable development	Economics	7,5 hp
Communication theory and strategy	Environmental science	15,0 hp
Environmental management in Europe	Environmental science	7,5 hp
Models for sustainable water management	Environmental science	7,5 hp
Safe nutrient recycling	Environmental science	15,0 hp
Food waste – current situation and future opportunities	Food science	7,5 hp
Prospects and challenges for sustainable food systems	Food science	15,0 hp
Sustainable marketing in the biobased sector	Forest science	15,0 hp
Landscape planning in theory and practice	Landscape architecture	15,0 hp
Studio – landscape architecture and urban space	Landscape architecture	15,0 hp
Studio – landscape architecture for sustainable urban design	Landscape architecture	15,0 hp
Governance of natural resources	Rural development	15,0 hp
International rural development	Rural development	15,0 hp
Rurality, livelihood and gender	Rural development	15,0 hp
The context and process of research II: Theories and methods	Rural development	7,5 hp
The context and process of research I: Theories and methods	Rural development	7,5 hp
The process of research: Qualitative methods, data analysis and academic writing	Rural development	15,0 hp
Environmental geochemistry	Soil science	15,0 hp
Land use and watershed management to reduce eutrophication	Soil science	7,5 hp
Soils of the world and sustainable water and soil management	Soil science	15,0 hp
Soil water processes in agroecosystems	Soil science	15,0 hp
Society and environment	Sustainable development	10,0 hp
GIS and geographic analysis	Technology	15,0 hp
Geographic information systems for engineers	Technology	5,0 hp
Geographic information systems for environmental and natural science studies	Technology	7,5 hp
Sustainable technologies for low and medium income countries	Technology	7,5 hp