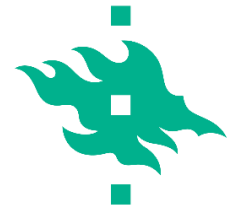


MASTER'S PROGRAMME IN TECHNOLOGIES FOR SUSTAINABLE USE OF RENEWABLE RESOURCES

TEACHING PROGRAMME 2026-2027



UNIVERSITY OF HELSINKI
FACULTY OF AGRICULTURE AND FORESTRY

Study unit name and code	Credits (cr)	Responsible teacher	Period	Language of teaching	Mode of teaching / Completion method	Open for exchange students	Open for students in other degree programmes	Pacing of instruction
STE-101 Finnish renewable resources and sustainability: theory and practice	10 cr	Luoma Ville; Heikkinen Milja. <i>TBA</i> in spring.	Lectures: periods 1-2. Field weeks (4): during examination weeks and intensive periods. Preliminary dates for the field courses; 19.10.-23.10.2026 11.1.-15.1.2027 8.3.-12.3.2027 10.5.-14.5.2027	English	Both contact and distance teaching (blended teaching)	No	No (Due to field courses)	2 x 2 h / week
STE-102 Data Science Methodology Course	5 cr	<i>TBA</i> in spring - Recruitment of a new teacher is underway	1. period	English	Both contact and distance teaching (blended teaching)	No	No	<i>Preliminary:</i> lectures 2 x 2h/week, practicals 2 x 2h/week
STE-103 Master's Seminar	5 cr	Luoma Ville; other Teachers in the Faculty of Agriculture and Forestry	3.-4.period	English	Both contact and distance teaching (blended teaching)	No	No	<i>Preliminary:</i> lectures 1 x 3 h/week
STE-105 Master's Thesis	30 cr	Teachers in the Faculty of Agriculture and Forestry	No teaching	English, Finnish, Swedish	Independent Project	No	No	No teaching
STE-111 Modelling Methods	5 cr	<i>TBA</i> in spring - Recruitment of a new teacher is underway	3. period	English	Both contact and distance teaching (blended teaching)	Yes	Yes	<i>Preliminary:</i> lectures 2 x 2h/week, practicals 1 x 4h/week
STE-121 Remote Sensing of Environment	5 cr	Junttila Samuli	1. period	English	Both contact and distance teaching (blended teaching)	Yes	Yes	Lectures 2 x 2h/week, practicals 1 x 2h/week.
STE-122 Geospatial Artificial Intelligence (GeoAI) in Management of Natural Resources	5 cr	<i>TBA</i> in spring - Recruitment of a new teacher is underway	2. period	English	Both contact and distance teaching (blended teaching)	Yes	Yes	<i>Preliminary:</i> lectures 2 x 2h/ week, practicals 1 x 4h/week
STE-131 Management Science – Quantitative Analyses to Decision Making	5 cr	<i>TBA</i> later	3. period	English	Both contact and distance teaching (blended teaching)	Yes	Yes	<i>Preliminary:</i> lectures 2 x 2h/ week, practicals 1 x 4h/week
STE-132 Management and Cost Accounting	5 cr	<i>TBA</i> later	4. period	English	Both contact and distance teaching (blended teaching)	Yes	Yes	<i>Preliminary:</i> lectures 2 x 2h/ week, practicals 1 x 4h/week
STE-201 Practical Training	5 cr	Luoma Ville; <i>TBA</i> in spring	Anything, recommended for summer 2027	English, Finnish, Swedish	Independent Project	No	No	No teaching

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Not organised in 2026-2027:

STE-112 System Control Optimisation
STE-113 Simulation of Production System
STE-123 Natural Resources Big Data Analysis and Management
STE-133 Business and Data Science in Supply Chains of Renewable Resources
STE-134 Sustainable Supply Chain Management
STE-202 Hands-on Projects for Sustainable Technological Solutions

Other mandatory studies:

Language and Communication Studies (10 cr):

If you are international student choose Finnish language courses: Finnish 1, Finnish 2, Finnish 3 (3 cr each) and additional 1 ECTS course. If you are Finnish or Swedish speaking student, choose foreign language courses: 10 ECTS language and communication skills courses for ex. KK-ESP/KK-ITA/KK-KII/KK-RAN/KK-SAK/KK-AI. **Recommended completion time for language studies: study year 1, periods 1-4.**

Optional Other Studies (10 cr): Choose at least 10 credits from the following courses for your degree. You can view course details and schedules on the individual course pages:

- [EKM-103 Managing Innovation in Agri-Food Value Chains for Sustainability](#), 5 cr
- [FOR-005 Advanced literature](#), 5 cr
- [FOR-101 Responsible business management in circular and bioeconomy](#), 5 cr
- [FOR-115 From ideas to solutions](#), 5 cr
- [AGRI-004 Literature](#), 5 cr
- [AGRI-109 Distributed Artificial Intelligence in Agriculture](#), 5 cr
- [AGRI-222 Sustainable Food Systems](#), 3-5 cr
- [AGRI-224 Life Cycle Assessment in the Context of Agriculture and Forestry](#), 5 cr
- [BSCS1007 Foundations of Artificial Intelligence](#), 5 cr
- [FOOD-401 European Food Safety](#), 5 cr
- [FOOD-608 Literature Exam, Food Technology](#), 2-6 cr
- [DATA11001 Data Science](#), 5 cr