

# Curriculum 2019-2020 – Agricultural, Environmental and Resource economics Master program – 120 ects credits

## Advanced Studies - AGERE-300 90-120 ects credits

Common studies	Ects	year/period
AGERE-001 Introduction to the Master program in Agricultural, Environmental and Resource economics	0	1/I
AGERE-009 Mathematics for economists III	5	1/I
AGERE-030 Master's thesis	30	2/I-IV
AGERE-020 Master's thesis seminar	5	1-2/I-IV
VIIKM-001 Master's Maturity Test	0	2/I-IV

## Language studies (Choose at least one course)

993734 Academic Writing for Students in Master's Degree Programmes 1	2	1/I-II
993735 Academic Writing for Students in Master's Degree Programmes 2 (CEFR C1)	2	1-2/III
991070 Advanced English: Feedback on Writing (CEFR C1)	1	1-2/I-IV

## AGERE-methods $\geq$ 15-30 ects credits

		year/period
AGERE-002 Cost-Benefit Analysis	5	1-2/III*
AGERE-003 Valuation	5	1-2/II**
AGERE-004 General Equilibrium Modeling	5	1-2/IV**
AGERE-005 Applied Linear Programming	5	1-2/III
AGERE-007 Econometrics 2	5	1-2/IV
AGERE-008 Statistical data analysis	5	1-2/III
AGERE-012 Mathematics for AGERE students IV •Mandatory for ERE, voluntary for AGE	5	1-2/II
AGERE-010 Microeconomics for AGERE students	5	1/I
AGERE-011 Socio-cultural valuation methods for Integrated Landscape Management	5	1-2/I
AGERE-013 Qualitative methods in Agricultural, Environmental and Resource economics	5	1-2/I
AGERE-A07 Changing theme course in Agricultural economics	5	1-3/I-IV
FOR-108 Qualitative empirical research methods, approaches and research ethics	5	1-2/II
FOR-103 Survey methods in marketing and social sciences	5	1-2/III-IV
ECOM-G310 Microeconomics 1	5	1-2/I
ECOM-G311 Microeconomics 2	5	1-2/II
ECOM-G314 Econometrics 1	5	1-2/I
ECOM-G315 Econometrics 2	5	1-2/II
FOR-007 Statistical models: Basics in generalized linear models	5	1-2
FOR-008 Statistical Prediction and Sampling	5	1-2/IV
FOR-009 Statistical Modelling with R	5	1-2/IV
EKM-122 Ecological economics	5	1-2/I
EKM-126 A Changing theme course in Food and Consumer economics Social Network Analysis	5	1-2/IV

\* Odd years

\*\*Even years

## Study track studies

AGERE-310 Agricultural Economics - 30 ects credits (Choose at least one AGE-module and one AGE- or ERE-module)

AGERE-320 Environmental and resource economics - 45 ects credits (Choose ERE I and ERE II and other courses or modules 15 ects credits)

	ects	year/period
AGE I Agricultural Markets and Policy	15	
AGERE-A01 Price Analysis and Market Structure of the Agrifood Supply Chain I	5	1-2/I*
AGERE-A02 Price Analysis and Market Structure of the Agrifood Supply Chain II	5	1-2/III*
AGERE-A03 International Agricultural Trade and Trade Theory	5	1-2/II*
AGE II Production Economics and Farm Management	15	
AGERE-A04 Risk Management in Agriculture	5	2/II
AGERE-A05 Production and Cost Theory	5	1-2/III
AGERE-A06 Theories and Applications in Strategic Management	5	1-2/IV
AGE III Entrepreneurship	15	
EKM-113 Business Analysis of Growth-oriented Small and Medium Sized Enterprises (In Finnish)	10	1-2/IV*
xxx-xxx Course in marketing or accounting	5	1-2
ERE I Environmental Economics	15	
AGERE-E01 Environmental Economics I: Theory	5	1-2/II
AGERE-E02 Environmental Economics II: Mechanisms	5	1-2/III
AGERE-E03 Climate and Energy	5	1-2/IV *
ERE II Natural Resource Economics	15	
AGERE-E04 Advanced Natural Resource Economics	5	1-2/IV*
AGERE-E05 Introduction Dynamic Optimization	5	1-2/IV**
AGERE-E06 Economics of Aquatic Resources: Numerical Models	5	1-2/IV
ERE III Climate	15	
AGERE-E12 International environmental agreements related to marine areas and resources	5	1-2/III
ATM302 Climate Now	5	1-2/II
AGERE-E07 Changing theme course in Environmental and Resource Economics	5	1-2/I
FOR-215 Mitigation of Climate Change in Forestry	5	1-2/III**
FOR-216 Adaptation of Forestry to Climate Change	5	1-2/III*
ERE IV Baltic Sea	15	
(Choose ECGS-014, ECGS-501 and ECGS-003 or AGERE-E12)		
ECGS-014 Diagnosis of environmental problems in aquatic ecosystems	5	1-2/III
ECGS-501 Management of environmental problems in aquatic ecosystems	5	1-2/II
ECGS-003 Governance of environmental problems of the Baltic Sea – a project course	5	1-2/IV
AGERE-E12 International Environmental Agreements related to marine areas and resources	5	1-2/III
ERE V Forest	15	
AGERE-E07 Changing theme course in Environmental and Resource Economics	5	1-2/I
ME-211 System analysis in forest sciences	5	1-2/I
FOR-215 Mitigation of Climate Change in Forestry	5	1-2/III**
FOR-216 Adaptation of Forestry to Climate Change	5	1-2/III*
FOR-253 Tropical Forests and Climate Change	5	1-2/IV*
ME-106 Industrial management in the bio economy	5	1-2/IV
FOR-104 International Forest Policy	5	1-2/IV

\* Odd years

\*\*Even years

Other studies

Career orientation and professional skills training

(Choose at least 5 ects credits of AGERE-025 or AGERE-015)

	ects	year/period
AGERE-025 Career orientation/Internship	5-15	1-2/I-IV
AGERE-015 Career orientation/ Career-related project	5-15	1-2/I-IV
AGERE-026 Leadership and organization	5	1-2/II

Optional

VIIKM-002 Tutoring

VIIKM-005 Participation in Student Organization and

University of Helsinki Administrative Bodies

2	1-2/I
2-5	1-2/I-IV

Studies which are freely chosen 0-35 ects credits