

EXPLORE AGROECOLOGY

AN APPROACH TO SUSTAINABLE AGRICULTURE AND FOOD SYSTEMS



Faculty of Agriculture
Rajarata University of Sri Lanka

MASTER OF SCIENCE IN AGROECOLOGY (SLQF10)

Faculty of Agriculture
Rajarata University of Sri Lanka



University of Peradeniya

Mendel
University
in Brno

Polytechnic
of Coimbra

NOVEL
Group

Course curricula

UNIT	MODULE NAME	CREDIT	STATUS
Year 1 Semester 1			
AS 5101	Agrology	3	Compulsory
AS 5102	Bioclimatology	2	Compulsory
AS 5103	Design and Analysis of Agroecological Experiments	3	Compulsory
AS 5104	Managerial Economics	3	Compulsory
AS 5105	Landscapes Ecology	2	Compulsory
AS 5106	Soil Health and Management	3	Compulsory
AS 5107	Water in Landscape	2	Compulsory
AS 5108	Agroecological Practices	2	Optional
AS 5109	Global Agroecosystems	2	Optional
Year 1 Semester 2			
AS 5201	Ecological Agriculture & Systems Thinking	3	Compulsory
AS 5202	Environmental Aspects of Waste Management	2	Compulsory
AS 5203	Environmental Law	3	Compulsory
AS 5204	Environmental Security and Valuation	3	Compulsory
AS 5205	Human Ecology	3	Compulsory
AS 5206	Landscape and Spatial Planning	3	Compulsory
AS 5207	Precision Agriculture	2	Compulsory
AS 5208	Design and Evaluation of Agroecological Systems	2	Optional
AS 5209	Ecological Entrepreneurship	2	Optional
AS 5210	Research Methods for Agroecology	2	Optional
Year 2			
AS 6101	Internship	2	Compulsory
AS 6201	Thesis – Research Project	15	Compulsory

Programme Learning Outcomes (PLOs)



1. demonstrate advanced knowledge and understanding of the core aspects of agroecology and their interactions with related disciplines.
2. evaluate and design appropriate agroecological plans and implement interventions appropriately to optimize the agroecological resources.
3. assess current dynamics in agroecology and communicate appropriately to all stakeholders for efficient decision making.
4. bring appropriate interventions to achieve sustainable outcomes within diverse professional environments related to agroecology.

Programme Learning Outcomes (PLOs)



5. plan, initiate, and manage agroecological ventures sustainably and ethically while appreciating the dynamism in the agroecological environments.
6. build networks with relevant stakeholders to strengthen group approach in achieving resilience and sustainability in agroecological systems
7. exercise personal and social responsibility, accountability, and transparency in all the dealings related to agroecological systems
8. create and analyse SMART goals to achieve long term sustainable outcomes in agroecological engagements develop a passion for personal and professional development.