

Georg-August-Universität Göttingen Universität Kassel/Witzenhausen Module M.SIA.P24: Agroforestry	6 C 4 WLH
Learning outcome, core skills: This course introduces students to the basic concepts and current trends in the science and practice of agroforestry systems in temperate and tropical regions. Students will learn the basic concepts, principles, and drivers associated with agroforestry practices. A number of external speakers with diverse backgrounds will develop seminars focused on case studies of agroforestry in specific contexts, from a multidisciplinary and innovative perspective. Students will learn about the different biophysical relationships, and the benefit effects on humans and the environment. The socio-cultural systems that influence the management and sustainability of these systems will also be highlighted, as well as current challenges related to global and social change. An own design of an agroforestry system (in groups of 2-3) with written explanation and presentation will complete the module and as an exam performance will show if the principles covered in the course have been understood and can be implemented	Workload: Attendance time: 60 h Self-study time: 120 h
Course: M.SIA.P24.C Agroforestry (Lecture, Seminar) <i>Contents:</i> This module provides participants with multidisciplinary insights into the ecological and social components of agroforestry systems and practices. This module will provide an overview on the agroforestry science and focus will be on the study of the: <ol style="list-style-type: none"> 1. techniques for characterization and evaluation; 2. practical applications from multidisciplinary backgrounds (e.g., agroforestry science, practical planning); 3. linkages to sustainability issues (e.g., climate change, water security management, or human well-being). Students will implement the principles they learnt in an own agroforestry design. Key issues will be explored and critically discussed.	4 WLH
Examination: Presentation (approx. 20 minutes, 50%) and Term paper (max. 10 pages, 50%) M.SIA.P24.Mp: Agroforestry Examination requirements: Knowledge of the main concepts and characteristics of agroforestry systems and understanding of the role of different practices and human management in the sustainability of future landscapes.	6 C
Admission requirements: none	Recommended previous knowledge: none
Language:	Person responsible for module:

English	Prof. Dr. Tobias Plieninger
Course frequency: each winter semester; Witzenhausen	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester:
Maximum number of students: 30	
Additional notes and regulations: Literature: <p>Jose, S. 2009. Agroforestry for ecosystem services and environmental benefits: an overview. <i>Agroforest Systems</i> 76:1–10, https://doi.org/10.1007/s10457-009-9229-7</p> <p>Fagerholm, N., et al. 2016. A systematic map of ecosystem services assessments around European agroforestry. <i>Ecological Indicators</i>, 62:47–65, http://dx.doi.org/10.1016/j.ecolind.2015.11.016</p> <p>Advances in Agroforestry. Book Series: 2004 – 2017. Integrating Landscapes: Agroforestry for Biodiversity Conservation and Food Sovereignty. Montagnini, F. Springer, https://doi.org/10.1007/978-3-319-69371-2</p>	