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| <b>Georg-August-Universität Göttingen</b><br><b>Universität Kassel/Witzenhausen</b><br><b>Modul M.SIA.P24: Agroforestry</b><br><i>English title: Agroforestry</i>   | 6 C<br>4 SWS  |
| <b>Lernziele/Kompetenzen:</b><br>This course will introduce students into the basic concepts and current trends in the science and practice of agroforestry systems in temperate and tropical regions. Using a series of introductory lectures, students will cover basics concepts, principles, and drivers related to agroforestry practices. Subsequently, a series of invited speakers with different backgrounds will develop seminars focusing on specific-contexts agroforestry case studies, from a multidisciplinary and innovative perspective.<br><br>Students will get to know multiple biophysical contexts that drive the diversity of agroforestry systems, the multiple benefits that people obtain of them, but also the socio-cultural systems that influence the management and sustainability of those systems and the current challenges in the context of global and social changes.  | <b>Arbeitsaufwand:</b><br>Präsenzzeit:<br>56 Stunden<br>Selbststudium:<br>124 Stunden |
| <b>Lehrveranstaltung: Agroforestry</b> (Vorlesung, Seminar)<br><i>Inhalte:</i><br>Through the combination of introductory lectures and seminars of guest speakers, this module provides participants with multidisciplinary insights into the ecological and social components of agroforestry systems and practices.<br><br>This module will provide an overview on the agroforestry science. Focus will be on the study of the: <ol style="list-style-type: none"> <li>1. techniques for characterization and evaluation;</li> <li>2. practical applications from multidisciplinary backgrounds (e.g., agroforestry science, policy resource management or ecosystem service evaluation) and across multiple sites in the Mediterranean, and;</li> <li>3. linkages to sustainability issues (e.g., climate change, water security management, or human well-being).</li> </ol> These topics will be outlined in introductory lectures and deepened in seminars, where key issues will be explored and critically discussed. | 4 SWS   |
| <b>Prüfung: Presentation (approx. 20 minutes, 50%) and Term paper (max. 20 pages, 50%)</b><br><b>Prüfungsanforderungen:</b><br>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   |
| <b>Zugangsvoraussetzungen:</b><br>keine   | <b>Empfohlene Vorkenntnisse:</b><br>keine   |
| <b>Sprache:</b><br>Englisch   | <b>Modulverantwortliche[r]:</b><br>Dr. Cristina Quintas Soriano                       |
| <b>Angebotshäufigkeit:</b>  | <b>Dauer:</b>   |

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| jedes Wintersemester; Witzenhausen  | 1 Semester                       |
| <b>Wiederholbarkeit:</b><br>zweimalig   | <b>Empfohlenes Fachsemester:</b> |
| <b>Maximale Studierendenzahl:</b><br>25   |                                  |
| <p><b>Bemerkungen:</b></p> <p><b>Literature:</b></p> <p>Jose, S. 2009. Agroforestry for ecosystem services and environmental benefits: an overview. <i>Agroforest Systems</i> 76:1–10, <a href="https://doi.org/10.1007/s10457-009-9229-7">https://doi.org/10.1007/s10457-009-9229-7</a></p> <p>Fagerholm, N., et al. 2016. A systematic map of ecosystem services assessments around European agroforestry. <i>Ecological Indicators</i>, 62:47–65, <a href="http://dx.doi.org/10.1016/j.ecolind.2015.11.016">http://dx.doi.org/10.1016/j.ecolind.2015.11.016</a></p> <p>Advances in Agroforestry. Book Series: 2004 – 2017. Integrating Landscapes: Agroforestry for Biodiversity Conservation and Food Sovereignty. Montagnini, F. Springer, <a href="https://doi.org/10.1007/978-3-319-69371-2">https://doi.org/10.1007/978-3-319-69371-2</a></p> |                                  |