

Agroforestry for Sustainability

Course description

Subject leader: Andrea Vityi, Ph.D., associate professor

Lecturer: Andrea Vityi, Ph.D., associate professor

Institute: University of Sopron, Faculty of Forestry, Institute of Forestry and Environmental Techniques

Course code:

Credit points: 3

Evaluation: oral exam / written exam / mid-term grade

Instruction hours/week (lecture + practice): 2 + 0

Language: English

Course content

Agroforestry systems and practices and their technical, economic and ecological contexts.

Ecosystem services provided by agroforestry systems.

The role of agro-forestry systems in sustainable resource management, rural development and enhancement of economic competitiveness.

Contribution of agroforestry to climate adaptation and mitigation.

Each theme to be discussed through case studies of European or domestic agroforestry systems.

Required and recommended reading

Notes prepared for the lecture and practices, as well as the syllabus given by the lecturer

Eric Lichtfouse (szerk.) 2009: Biodiversity, Biofuels, Agroforestry and Conservation Agriculture. Sustainable Agriculture Reviews Volume 5. Springer.

P.K. R. Nair, D Garrity (szerk.) 2012: Agroforestry - The Future of Global Land Use. Advances in Agroforestry. Vol. 9. Springer.

Nair PKR (2011). Agroforestry systems and environmental quality: introduction. Journal of Environmental Quality 40: 784-790.

Andrew Maclean Gordon, Steven Mark Newman (1997): Temperate Agroforestry Systems
CAB International, 1997

P.K.R. Nair (1993): An introduction to agroforestry. Springer Science & Business Media, 1993