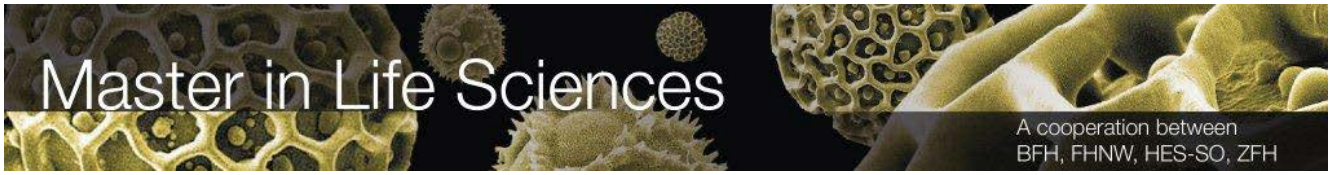

Module	**International Forestry**
Code	MSLS_AF-41
Degree Program	Master of Science in Life Sciences (MSLS)
ECTS Credits	5
Workload	150h: Contact 84 h, incl. excursions; Group Exercise 24h; Self-study 42 h
Module Coordinator	**Name** Dr. Jürgen Blaser **Phone** +41 31 910 21 56 **Email** juergen.blaser@bfh.ch **Address** Bern University of Applied Sciences, School of Agricultural, Forest and Food Sciences, Laenggasse 85, 3052 Zollikofen
Lecturers	• Dr. Jürgen Blaser • Guest lecturers
Entry Requirements	Solid background in one of the following fields of study: Forestry, agriculture, natural resources management or environmental economics. The module is designed to acquire and translate knowledge in a disciplinary and interdisciplinary context.
Learning Outcomes and Competences	After completing the module students will be able to: • assess the role of forests and forestry in a global, regional, national and local development context; • understand ecological, social and economic challenges in the principal forest biomes (boreal, temperate, humid and dry tropics); • apply concepts, methods and tools to assess and implement sustainable forest management and forest conservation at landscape level in the various forest biomes and under different socio-cultural and economic conditions; • assess main potentials and constraints of forest management implemented globally, with particular emphasis on distinguishing between forest rich and forest poor situations; • analyze main forest policy and governance issues at national and international levels, based on the three pillars of sustainability (incl. application of C&I); • position forestry and the forest sector in the wider national and international development context (including macro-economic policies, poverty reduction, food security, energy) set assess the sector's potentials and limitations; • link forests and forestry to the global externality agenda, including the provision of forest goods and services, poverty alleviation goals, climate change and REDD+, biodiversity conservation and the protective role of forests and trees.
Module Content	The module will focus on the analysis on the main challenges for forests and forestry in a global policy and development context. These include the role of forests and forestry under changing environmental and social conditions; the analysis of the macro-economic context to conserve and manage forests globally; the understanding of the global forest resource assessment (methods, definition, results); the biophysical and socio-economic conditions of managing and conserving forests in the major biomes; the concepts of sustainable forest management (SFM), in natural and man-made forests as well as at landscape level; REDD+; and global forest institutions. Particular attention will be given to understand the various demands on forests and forestry by society now and in the future, including: • Valuating forest goods (timber, NTFP) and services (soil, water, carbon, biodiversity) • Forest resources and production of wood and non- timber forest products • Forest policy and governance

	• Forest and climate change with particular emphasis on REDD+ • Forest and biodiversity conservation.
Teaching / Learning Methods	Interactive lectures with inputs by students; exposure of students to experienced resource persons from the international forest policy context, private sector and international NGOs through a targeted seminar; learning-team coaching in selected and targeted fields in small groups based on students' requests (e.g. for students with a solid forestry background); self-study on pre-defined themes.
Assessment of Learning Outcome	1) Scientific exchange (oral, individual), in front of the class (30%) 2) Abstract paper on an emerging issue in international forestry (20%) 3) Oral exam: scientific discussion about selected themes in intern. forestry (50%)
Bibliography	Individual search by students; each student will need to submit at the end of the module a commented bibliography, including an overall analysis. A selected list of references will be made available on each chapter presented. Main guidance on the topics: www.fao.org/forestry ; www.cifor.org; www.itto.int; www.worldbank.org/forestry; www.unece/forests.org; www.fcpf.org; www.wri.org; www.unredd.org References providing a general overview of the issues include: FAO 2015, Global Forest Resources Assessments. www.fao.org Poore D, 2003. Changing Landscapes: The Development of the International Tropical Timber Organization and Its influence on Tropical Forest Management. Earthscan, London, 312 p. Martin C, 2015. On the Edge: The State and Fate of the World's Tropical Rainforests. Greystone Vancouver, 384 p. Putz FE, Zuidema PA, Synnott T, Peña-Claros M, Pinard MA, Shiel D, Vanclay JK, Sist P, Gourlet-Fleury S, Griscom B, Palmer J, Zagt R, 2012. Sustaining conservation values in selectively logged tropical forests: the attained and the attainable. Conservation Letters 5 (4), 1–8. Robledo C, Blaser J, 2008. Key issues on land use, land use change and forestry (LULUCF) with an emphasis on developing country perspectives. An Environment & Energy Group Publication. Intercooperation, Bern, 49 p. Wunder S, 2006. Are direct payments for environmental services spelling doom for sustainable forest management in the tropics? Ecology and Society 11 (2), 23. [online]
Language	English
Comments	Excursions, visits and sequences with guest lecturers are compulsory for students. Consult the detailed schedule of the module, which will be uploaded on Moodle four weeks before the start of the module.
Last Update	29.02.2016 / Jürgen Blaser