



## Semester Package - MOUNTAIN FORESTRY

University of Natural Resources and Life Sciences, Vienna



### Master Courses - Winter Term

Course	Course Number	ECTS	Prerequisite
<a href="#">Mountain forest soils and forest nutrition</a>	912331	2,5	Basic soil science
<a href="#">Mountain forest climatology and headwater hydrology</a>	912314	4,5	-
<a href="#">Forest resource economics</a>	733303	4,5	basic understanding of managerial as well as forestry economics (bachelor level)
<a href="#">Mountain forest policy</a>	732321	4,5	-
<a href="#">Forest inventory</a>	914309	3	-
<a href="#">Innovations for Sustainable Forest Management</a>	732337	4	-
<a href="#">Applied development research I</a>	934302	3	Genuine interest in development research
<a href="#">Mountain hazard processes</a>	871324	6	Basic knowledge of physics, geomorphology, hydraulics and soil mechanics
<a href="#">Project management in development cooperation</a>	913326	2	-
<a href="#">Modelling of mountain forest ecosystems</a>	913339	2,5	Basic computer skills are needed
<a href="#">Remote sensing and GIS in natural resource management</a>	857320	3	-
<a href="#">The role of forests in mountain risk engineering</a>	871373	2	Basic understanding of involuntary natural hazards is expected.
<a href="#">Harvesting systems for mountainous regions</a>	915301	2	-
<a href="#">Field camp III - integrated forest management applications</a>	915300	3	-
<a href="#">Cable yarding project</a>	915320	1,5	-
<a href="#">Air pollution effects on forest ecosystems</a>	912317	3	-
<a href="#">Forests and water</a>	912313	3	-
<a href="#">Risk management and vulnerability assessment</a>	871360	3	-



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<a href="#">Decision support systems</a>	913302	3	some basic knowledge in database management, GIS technology or forestry is an advantage but not a requirement.
<a href="#">Adapting forest management to climate change</a>	913324	2	The course is recommended for students with forestry background and an interest in forest management decisions under uncertainty. Ideally participants should have a background in silviculture
<a href="#">Timber harvesting</a>	915334	1	-
<a href="#">Genetics aspects in entomology</a>	916309	3	Basic knowledge in genetics and on the other hand in entomology is beneficial e.g. lectures 916 121 Genetic basis of biodiversity and 916108 Forest Entomology.
<a href="#">Current advances in ecology and soil science</a>	912338	3	-
<a href="#">Methods in the use of genetic markers and their applications</a>	916306	3	Basic knowledge of genetics is present e.g. lecture 916121 Genetic basis of biodiversity
<a href="#">Wildlife management issues in protected areas in Central Europe</a>	832301	1,5	-
<a href="#">Disaster management</a>	871332	2	-
<a href="#">Integrated flood risk management</a>	819336	3	-
<a href="#">Innovation processes in the forest-based bioeconomy</a>	735344	2	Familiarity with good practice in methods of scientific work is strongly recommended



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### Master Courses - Summer Term

Course	Course Number	ECTS	Prerequisite
<a href="#">Mountain forest dynamics and fire ecology</a>	912330	3	-
<a href="#">Participatory methods in development research and practice</a>	934317	3	-
<a href="#">Natural resource management in mountain forests</a>	913338	4	-
<a href="#">Agroforestry in mountain regions</a>	912328	3	-
<a href="#">Road network planning</a>	915302	3	-
<a href="#">Forest protection</a>	916308	2	-
<a href="#">Biodiversity and conservation of mountain forests</a>	912337	2	-
<a href="#">Vegetation Modelling</a>	913045	2	-
<a href="#">Management and forest protection in high altitude afforestations and protective forests</a>	916326	3	-
<a href="#">Natural resources management in mountainous areas III - wildlife problems</a>	832342	2	-
<a href="#">Field camp II - concepts and methods of site ecology, forest growth and yield</a>	912332	3	-
<a href="#">Chemistry for forestry</a>	912334	1	at least some basic knowledge in general chemistry
<a href="#">Selected methods of soil analysis</a>	815329	4	Basics in soil physics
<a href="#">Applied development research II</a>	934303	3	Students who pursue a doctoral degree, provided that their research is related to applied development issues; Master and bachelor students who are concerned about 'research for development' in Africa, Asia or Latin America.
<a href="#">Organisational behaviour and gender issues</a>	733321	3	-
<a href="#">3P-Sampling</a>	914111	2	-
<a href="#">Wood industries and products</a>	891301	3	Knowledge in wood technology



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### Master Courses - Summer Term

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<a href="#">Protection and mitigation measures against natural hazards</a>	871314	3	Knowledge in hydrology, hydraulics, construction, mechanics and structural analysis Snow and avalanche hazards, hazard and risk analysis
<a href="#">Fire management in mountain forest ecosystems - prophylaxis and control</a>	913327	2	General basic knowledge about forest ecosystems and natural resources is recommended.
<a href="#">CAD - computer aided design</a>	915345	1	-
<a href="#">Forest soil biology</a>	911348	3	-
<a href="#">Remote sensing and image processing</a>	857304	6	Some previous exposure to geoinformatics, spatial analysis concepts and environmental studies is a definite advantage. Programming skills are welcome!

### Bachelor Courses

Course	Course Number	ECTS	Prerequisite
<a href="#">Forest engineering</a> (SS)	915185	2	Simultaneous participation in the VU „Forstliches Ingenieurwesen“ (in German) is recommended
<a href="#">Sustainable land use in developing countries</a> (WS)	912122	3	-

### How to look for courses:

[boku.ac.at/int-in-boku-howtolookforcourses-en.html](http://boku.ac.at/int-in-boku-howtolookforcourses-en.html)

### For more information please contact

BOKU International Relations

[jointstudy@boku.ac.at](mailto:jointstudy@boku.ac.at)

+43 1 47 654-32015

[www.boku.ac.at](http://www.boku.ac.at)

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