



## Semester Package - FORESTRY

University of Natural Resources and Life Sciences, Vienna



### Master Courses - Winter Term

Course	Course Number	ECTS	Prerequisite
<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. it is good if the lecture 916121 Genetic basis of biodiversity has been visited before this lecture.
<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 916121 Genetic basis of biodiversity and 916108 Forest Entomology.
<a href="#">Wildlife management issues in protected areas in Central Europe</a>	832301	1,5	-
<a href="#">Forests and water</a>	912313	3	-
<a href="#">Water resources planning and management</a>	816338	3	-
<a href="#">Air pollution effects on forest ecosystems</a>	912317	3	-
<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="#">Disaster management</a>	871332	2	-
<a href="#">Renewable energy resources</a>	893311	3	Fundamentals of physics and thermodynamics
<a href="#">Geo-data management</a>	857300	3	Basic GIS
<a href="#">Integrated flood risk management</a>	819336	3	-
<a href="#">Forest resource economics</a>	733303	4,5	basic understanding of managerial as well as forestry economics (bachelor level)
<a href="#">Innovations for sustainable forest management</a>	732337	4	-
<a href="#">Innovation processes in the forest-based bioeconomy</a>	735344	2	Familiarity with good practice in methods of scientific work is strongly recommended
<a href="#">Mountain forest policy</a>	732321	4,5	-
<a href="#">Multiple criteria decision making in natural resource management</a>	913311	3	some basic knowledge in mathematic are useful.



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### Master Courses - Summer Term

Course	Course Number	ECTS	Prerequisite
<a href="#">Advanced Planning Systems in Forest Based Industries</a>	734328	3	Principles of production and operations management
<a href="#">Agroforestry in mountain regions</a>	912328	3	-
<a href="#">Applied development research II</a>	934303	3	Interest in 'research for development' in Africa, Asia or Latin America
<a href="#">Biodiversity and conservation of mountain forests</a>	912337	2	-
<a href="#">CAD - computer aided design</a>	915345	1	-
<a href="#">Chemistry for Forestry</a>	912334	1	Basic knowledge of general chemistry
<a href="#">Field Camp II - Concepts and methods of site ecology, forest growth and yield</a>	912332	3	-
<a href="#">Fire Management in Mountain Forest Ecosystems - Prophylaxis and Control</a>	913327	2	Basic knowledge of forest ecosystems and natural resources is recommended
<a href="#">Forest protection</a>	916308	2	-
<a href="#">Mountain Forest Dynamics and Fire Ecology</a>	912330	3	-
<a href="#">Natural resource management in mountain forests</a>	913338	4	-
<a href="#">Natural Resources Management in Mountainous Areas III - Wildlife Problems</a>	832342	2	-
<a href="#">Participatory methods in development research and practice</a>	934317	3	not required, but an advantage: 169.401 Development Innovation 169.304 Livelihood system dynamics in rural development 169.305 Facilitating change for sustainable development
<a href="#">Protection and mitigation measures against natural hazards</a>	871314	3	Basic knowledge of hydrology, hydraulics, construction, mechanics and structural analysis. Snow and avalanche hazards, hazard and risk analysis
<a href="#">Remote Sensing and Image Processing</a>	857304	6	Some previous exposure to spatial analysis concepts and environmental studies is a definite advantage.
<a href="#">Road network planning</a>	915302	3	-
<a href="#">Wood industries and products</a>	891301	3	Basic knowledge of wood technology
<a href="#">Forest soil biology</a>	911348	3	-



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### Bachelor Courses - Winter Term

Course	Course Number	ECTS	Prerequisite
<a href="#">Genetic basis for biodiversity</a>	916121	1	Interest for molecular ecology
<a href="#">Sustainable land use in developing countries</a>	912122	3	-
<a href="#">Wood chemistry</a>	891103	3	basic chemistry (organic and inorganic) basic knowledge in wood anatomy and - biology

### Bachelor Courses - Summer Term

Course	Course Number	ECTS	Prerequisite
<a href="#">3P-Sampling</a>	914111	2	-
<a href="#">Genetic interaction of pathogenic organisms in the ecosystem forest: genetic</a>	916122	1,5	Basic knowledge in genetics
<a href="#">Atmospheric Pollution and Climate Change</a>	814101	3	Basic math and physics are helpful.
<a href="#">General hydrobiology - exercises</a>	812101	2	-
<a href="#">Scientific skills</a>	912112	1	-
<a href="#">Wood physics</a>	891105	4	Basics in physics and mechanics
<a href="#">Interdisciplinary project study</a>	915187	4	-

#### 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

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