

Study program: Master studies in English - Forestry and Natural Resources Management			
Subject: FOREST INVENTORY			
Teacher/teachers: dr. Damjan Pantić , dr. Dragan Borota			
Status of subject: Elective - IG1			
ECTS number: 5 (five)			
Condition: None			
The aim of the course: Introduce students with different levels of inventory, from a stand-wise, national, to global inventory, with a designing of a terrestrial inventory and data collection on the basis of satellite images, with legal and technical assumptions for the establishment of a regional and global database on forest ecosystems.			
Outcome of subject: Students' ability to design and coordinate with different levels of forest inventory, as well as correspondence with international institutions dealing with the state of the forest fund at the regional and global level.			
Contents of the subject: <i>Theoretical teaching</i> Types of Sample in forest inventory, significance, value and structure of information, inventory plan, stand-wise inventory, NFI concepts in European countries, standardization and harmonization (ENFIN, EUSTAT), GFRA, state of Europe and World Forest Fund. <i>Practical teaching</i> Data (measurement) collection from images, GIS data analysis			
Literature: Published by Springer <ol style="list-style-type: none"> 1. Kangas A., Maltamo M. (2006): <i>Forest Inventory-Methodology and Applications</i> 2. West P.W. (2015): <i>Tree and Forest Measurement</i> 3. Tomppo E., Gschwantner T., Lawrence M., McRoberts R.E. (2010): <i>National Forest Inventories - Pathways for Common Reporting</i> 4. Vidal C., Alberdi I., Hernández L., Redmond J. (2016): <i>National Forest Inventories - Assessment of Wood Availability and Use</i> 5. Chirici G., Winter S., McRoberts R.E. (2011): <i>National Forest Inventories - Contributions to Forest Biodiversity Assessments</i> 6. http://enfin.info/ 7. http://www.fao.org/forest-resources-assessment/en/ 			
Number of active teaching:	Theoretical teaching:	3	Practical teaching: 2
Teaching methods: Oral presentation, video presentations, computer laboratory			
Knowledge assessment (maximum number of points 100)			
Pre-exam obligations:	Points	Final exam:	Points
activity during lectures	10	Written exam	
practical teaching	10	Oral exam	50
Colloquium/s		
Seminars	30		