

Study program: Forestry – Master program			
Name of the subject: Forest Management Planning			
Teacher(s): Dr Nenad Petrovic , Dr Biljana Šljukić ,			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: No conditions			
Subject goal A forest management plan outlines owner’s vision for their forest, describes the current forest condition, and outlines a plan of action to achieve owner’s management goals. Forests owner’s goals have to be adapt to changing environmental conditions in order to remain stable and retain the vitality to continuously provide multiple ecosystem goods and services such as biodiversity, wood products, landscape protection and carbon sequestration potential. Adaptive forest management aims to preserve and develop the functionality of forests as a prerequisite for fulfilling the future need for forest ecosystem services. Forest management play important role in long-term planning of resilient tree species and their management strategies that can provide in future all ecosystem goods and services in change climate scenarios.			
Outcome of the subject Students after they pass this course should understand different climate scenarios, be able to propose adequate forest management plans in changed climate scenarios. They should be able to prepare list of activities to achieve owner’s forest management objectives. They should incorporate concept of close to nature forest management in owner objectives and be able to create adequate monitoring mechanism in changed environmental conditions.			
Subject content <i>Theory</i> Students should be informed about new climate scenarios and actual climate change international policy initiative (COP 21...). Students should be informed about role of forest and forestry in mitigation and adaptation impact to the climate change. It should be presented concept of close to nature forest management and instruments for their implementation into practical forest management. Students should get overview about guidelines and instruction for forest management planning from several selected European countries. <i>Practical learning</i> Students should be able to prepare forest management plan for small scale forest lot taking in consideration close to nature forest management approach. They should prepare plan based on owners objectives. They should be able to assess proper tree species and propose adequate forest management strategy that should be integral part of the new plan. Students will be divided into small group and at the end of their tasks they should present their plan with critically overview of other groups			
Literature 1. John Houghton, Global Warming: The Complete Briefing, 5th Edition, 2015, Cambridge Univ. Press. 2. The US National Climate Assessment (nca2014.globalchange.gov/), 3. http://www.fao.org/3/i1960e/i1960e00.pdf 4. https://www.researchgate.net/publication/235427552_Close-to_Nature_Forest_Management_in_Europe_Does_It_Support_Complexity_and_Adaptability_of_Forest_Ecosystems 5. https://www.intechopen.com/books/sustainable-forest-management-current-research/sustainable-forestry-through-close-to-nature-management			
Number of active teaching classes 2+2		Theoretical teaching: 2	Practical teaching: 2
Method of carrying out the teaching Oral presentation, video presentations, group work in the classroom and in the forest			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	Points	Final exam	Points
Activity during lectures	10	Written exam	
Practical teaching	20	Oral exam	50
colloquium		
Seminar(s)	20		