course title	Forest ecology							
Code	ZDIB22							
Study	Postgraduate Interdisciplinary University Study Programme Environment Protection and Nature Conservation							
Semester	111							
ECTS	5							
Course state	Elective							
Professors	Prof. dr. sc. Oleg Antonić							
Colaborators								
Entrance conditions	None							
Aim	The aim of the course is to guide students about complexity, specificity and tipology of forest ecosystems, as well as about importance of forests for sustainable spatial managament.							
Learning outcomes	 After successfully completing the course, the students will be able to: Undrerstand the basis of forest tree ecology. Understand the forest as a complex ecosystem. Describe the forest variability in space and time. Define factors which control emergence, survival and disappearence of forest. Describe the role of forests in sustainable spatial management. 							
Connections		FCTS	Learning	Course	Evaluation	Poi	nts [*]	
Connections	Students activity	Leis	outcomes	activity	methods	min	max	
Connections between students activity, learning	Students activity	Leis	outcomes	activity	methods	min	max	
Connections between students activity, learning outcomes and evaluation	Students activity Attendance and active participation	2	outcomes 1-5	Lectures	methods Minutes	min 20	max 40	
Connections between students activity, learning outcomes and evaluation	Students activity Attendance and active participation Preparation for the exam	2	outcomes 1-5 1-5	Lectures	methods Minutes Oral exam	min 20 35	max 40 60	
Connections between students activity, learning outcomes and evaluation	Students activityAttendanceand activeparticipationPreparation forthe examTotal	2 3 5	outcomes 1-5 1-5	Activity Lectures Final exam	methods Minutes Oral exam	min 20 35 55	max4060100	
Connections between students activity, learning outcomes and evaluation	Students activityAttendanceand activeparticipationPreparation forthe examTotalAccording to the student	2 3 5 dents net	outcomes 1-5 1-5 ed	Activity Lectures Final exam	methods Minutes Oral exam	min 20 35 55	max 40 60 100	
Connections between students activity, learning outcomes and evaluation Consultations Teaching form	Students activity Attendance and active participation Preparation for the exam Total According to the stu Lectures	2 3 5 dents ne	outcomes 1-5 1-5 ed Ser	Activity Lectures Final exam	methods Minutes Oral exam Exe	min 20 35 55	max 40 60 100	
Connections between students activity, learning outcomes and evaluation Consultations Teaching form No. of hours	Students activity Attendance and active participation Preparation for the exam Total According to the stures 10	2 3 5 dents nee	outcomes 1-5 1-5 ed Ser	Activity Lectures Final exam ninars	methods Minutes Oral exam Exe	min 20 35 55	max 40 60 100	

	Faunistic and mycobiotic components of forest. Biodiversity and stability of forest ecosystem. Especially endangered forest types. Forest and global ecological change.
Compulsory literature	Waring R.H., Running S.W. (1998) Forest Ecosystems: Analysis at multiple scales. Rauš, Đ. (Ed.) (1992) Šume u Hrvatskoj.
Optional literature	Archibold O.W. (1995) Ecology of World Vegetation. Glavač (2001) Uvod u globalnu ekologiju.
Completion condition	Active participation in the course
Exam form	Seminar and oral
Possible teaching languages	Croatian or English
Form of quality monitoring	Minutes of lectures and seminars, student questionaire