

<b>Study Programme : MSc in Ecology</b>			
<b>Degree level: Master degree</b>			
<b>Course Title: Remote Sensing in Ecology</b>			
<b>Professor: Snežana Radulović, Branislav Đurđev</b>			
<b>Elective Course</b>			
<b>Number of ECTS: 9</b>			
<b>Prerequisites: -</b>			
<b>Course Objective:</b> Basics of GIS and Remote Sensing technologies and their application in ecology.			
<b>Course Outcome:</b> After this course, students should be able to carry by their own the field research using the basic GIS and Remote Sensing technologies.			
<b>Sadržaj predmeta:</b> Introduction to GIS; introduction to remote sensing; Trimble GPS technology; GPS almanac; creating and field testing of GPS almanac; GPS Pathfinder Office and TerraSync softwares.			
<b>Literatura</b> 1. Dimitrijević, M. i sar.1973: Fotointerpretacija. Beograd. 2. Radulović, S. (2004): Ekologija i distribucija akvatičnih fitocenoza Carske bare u GIS tematskom modelu, Doktorska disertacija. PMF, Novi Sad. 3. Danassy, V., Oluić, M., Tomašević, Z., (1983): Daljinska istraživanja u geoznanosti. 4. Horvat, I., 1959: Potreba i značenje vegetacijske karte. Biološki glasnik 12, Zagreb. 5. Lillesand, F.M., Kiefer, R.W. (1994): Remote sensing and Image Interpretation. John Wiley, New York, Ohichester, Brisbane, Toronto. 6. Tomašegović, Z., (1986): Primjena fotogrametrije u šumarstvu. JAZU Zagreb.			
<b>Total hours:</b>			
Lectures: 2	Practicals: 3	Other:	Student research work: 5
<b>Methods of instruction:</b>			
<b>Assessment (maximum number of points 100)</b>			
<b>Requirements</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Active participation in lectures	5	Written exam	40
Active participation in practicals	5	Oral exam	30
Test(s) or	20		
Report			