Załącznik nr 3 do:
do Wytycznych do tworzenia studiów oraz projektowania i modyfikacji
programów studiów

Course code: 06-EMS-ECODF-SP1 / 06-EMS-ECODF-SP2 **Plan position:** ……………

A. INFORMATION ABOUT THE COURSE

B. Basic information

Name of course	Ecodevelopment in forestry
Field of studies	
Level of studies	
Profile of studies	
Form of studies	
Specialty	
Unit responsible for the field of studies	Faculty of Animal Breeding and Biology, Department of Ecology
Name and academic degree of teacher(s)	Bogusław Chachaj Ph.D. Radomir Graczyk Ph.D.
Introductory courses	
Introductory requirements	

C. Semester/week schedule of classes

Semester	Lectures (W)	Auditorium classes (Ć)	Laboratory classes (L)	Project classes (P)	Seminar (S)	Field classes (T)	Number of ECTS points
Winter / summer		25					5

2. LEARNING OUTCOME

No.	Learning outcomes description	The reference to the learning outcomes of specific field of study	The reference to the learning outcomes for the area
KNOWLEDGE			
W1	The students have knowledge of state policy regarding environmental protection. They can replace the goals and objectives of sustainable forest management, explain what the protective function of forests.		
SKILLS			
U1	The students are able to properly manage the forest resources of animated nature. They can propose methods to protect the forest environment. The students have the ability to search for information on the protection of the environment from various sources to ensure their proper development and formation, as well as their presentation.		
SOCIAL COMPETENCES			

K1	The students are aware of training in the proper use of the forest and its protection. They can think and act in an entrepreneurial manner and properly resolve the dilemmas associated with forest management and forest protection.		

3. TEACHING METHODS

multimedia lectures, projects and calculations

4. METHODS OF EXAMINATION

Test

5. SCOPE

Classes	Lectures: Ecodevelopment in the woods and the legal basis for the operation of forestry in Poland. Permanently sustainable forest management. Preserving and enhancing forest resources. Maintaining the vitality of forest ecosystems. Acquisition of forest products in terms of sustainability. Preserve, protect and strengthen biodiversity in forests. Strengthening the protective functions (especially water and soil) in forestry. Threats to forest ecosystems. Socio-economic functions of forest in regions of the country and the EU.
	Laboratories: The principles of forest management (comprehensive forest protection, durability, maintenance of forest continuity and sustainable use of forest functions, enhancement of forest resources). The importance of forests for the preservation and strengthening of natural balance. The beneficial effect of forests on climate, air, water, soil and living conditions and human health. Conservation of biological diversity and forest genetic resources. The importance of the role and terms of use of protective forests. Forest management in reserves and national parks. Terms universal coverage and continuity of use of forests. Periodic assessment of the state of forests and forest resources, large-scale inventories in forests, and conducting database of forests. resources by the State Forests. The meaning and tasks Promotional Forest Complexes. The principle of availability of forests to society. Environmental protection of the forest before human activity.

6. METHODS OF VERIFICATION OF LEARNING OUTCOMES

LEARNING OUTCOME	Form of assessment					
	Oral examination	Written exam	Colloquium	Project	Presentation	…………
W1		x				
U1		x				
K1		x				

7. LITERATURE

Basic literature	*S. Ravi Rajan, 2006. Modernizing Nature : Forestry and Imperial Eco-Development ,1800-1950. Oxford University Press.*
Supplementary literature	*L. Burton 2012, Introduction to Forestry Science, Cengage Learning*

8. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

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Student's activity		Student workload– number of hours
Classes conducted under a direct supervision of an academic teacher or other persons responsible for classes	Participation in classes indicated in point 1B	25
	Supervision hours	5
Student's own work	Preparation for classes	25
	Reading assignments	40
	Other (preparation for exams, tests, carrying out a project etc)	30
Total student workload		125
Number of ECTS points		5