

**Course name:**  
**Science Photography**

ECTS	3
Course status	<b>complementary</b>
Course final assessment/evaluation of outcomes	<b>completion with grade</b>
Prerequisites	<b>no prerequisites</b>

Main field of study:

field of study name (capital letters) **A G R I C U L T U R E**

Profile of study	<b>General-academic</b>
The code of studies (education level)	<b>SI/SM (bachelor/master)</b>
Semester of studies	<b>summer</b>
Language of instruction	<b>English</b>

**Course offered by:**

Name of faculty offering the course	Faculty of Agriculture and Economics
Name of department offering the course	Department of Microbiology and Biomonitoring
Course coordinator	prof. Dariusz Ropek

**Learning outcomes of the course:**

Symbol of outcome	Description of learning outcome	Reference to	
		main field of study outcomes	discipline#
<b>KNOWLEDGE – student knows and/or understands:</b>			
SPH.SI_W01 FNP.SI_W02 FNP.SI_W03	- basics of photography and techniques used in nature photography - the role of basic compositional elements in creating nature photography - photographer's rights and obligations under applicable legal regulations	RO1_W16, RO1_W20	RR
<b>SKILLS – student is able to</b>			
FNP.SI_U01 FNP.SI_U02 FNP.SI_U03	- operate photographic equipment - see the meaning and document the basic compositional elements, i.e. : line, shape, form, texture, pattern and color - make photographic documentation in accordance with the basic rules of photography	RO1_U01,	RR
<b>SOCIAL COMPETENCE- student is ready to:</b>			
FNP.SI_K01 FNP.SI_K02	- continuous training, improving professional and social competences, including planning and acting in an entrepreneurial manner, and knows how to work in a team, assuming various roles in it. - behave in a professional manner and observe the rules of professional ethics	RO1_K01, RO1_K02 RO1_K07,	RR

**Teaching contents:**

Lectures		15	hours
Topics of lectures	History of photography Documentary and artistic aspects of nature photography Cameras and their construction Types and features of photographic lenses Basics of composition in nature photography: line, shape, form, texture, color and pattern. Point of view and perspective. A framing in a photography, its shape and filling. The role of the horizon. Legal regulations and ethical principles in nature photography Work techniques and equipment for nature photography Criteria for evaluating nature photos		
Accomplished learning outcomes	<i>FNP.SI_W01, FNP.SI_W02, FNP.SI_W03</i>		
Verification methods, rules and criteria of outcome assessment	Lectures: test - single-choice test (40% share in the final grade)		
Classes		15	hours
Topics of classes	Camera operation. Basic and advanced settings. Planning and documentation of a photo session of nature. Predicting lighting. Microphotography - photography with the use of a microscope Field trip. Photography of plants, fungi and animals Field trip. Close-up photography and macro photography Field trip. Landscape photography Basics of photo editing. Evaluation of nature-related photos according to the general principles of photography		
Accomplished learning outcomes	<i>FNP.SI_U01, FNP.SI_U02, FNP.SI_U03, FNP.SI_K01, FNP.SI_K02</i>		
Verification methods, rules and criteria of outcome assessment	Assessment of camera skills and nature photography techniques. Preparation of a project (individual) (60%)		

**References:**

Basic	<i>Weston Ch. 2011. Nature Photography: Insider Secrets from the World's Top Digital Photography Professionals. Wydawnictwo Helion</i> <i>The Mountain Trail Photo Team. 2010. The Ultimate Guide to Digital Nature Photography. Wydawnictwo Galaktyka</i>
Supplementary	<i>Peterson B., 2009, Understanding Close-Up Photography: Creative Close Encounters with Or Without a Macro Lens, Wyd. Galaktyka</i>

**Structure of learning outcomes:**

Discipline: R – Agricultural science	3	ECTS*
Discipline: # (provide appropriate symbol - if the course relates to more than one academic discipline )	...	ECTS*

**Structure of student activities:**

Contact hours	38	hours	1,5	ECTS*
including:	lectures	hours	hours	
	Classes and seminars	hours	hours	
	consultations	hours	hours	

participation in research	hours	hours		
mandatory traineeships	hours	hours		
Participation in examinations	hours	hours		
e-learning	...	hours		
Students own work	37	hours	1,5	ECTS*

Syllabus valid from the academic year 2024/2025

\* where 10 hours of classes = 1 ECTS (in case of 15 h → 2 ECTS)

\*\* stated with an accuracy to 0.1 ECTS, where 1 ECTS = 25 - 30 hours of classes

# academic discipline code: RZ - animal science and fishery, PB - biological sciences, etc.