

1.	<b>Course name: Biology</b>
2.	Course code conforms to USOS: 25-BI-S1-E+-B
3.	University department: Faculty of Biological Sciences, Institute of Experimental Biology, Department of Animal Developmental Biology, Department of Plant Developmental Biology
4.	Course type: <b>lecture (30h), laboratory (30h)</b>
5.	Degree: <b>bachelor</b>
6.	Semester: <b>winter</b>
7.	Number of hours: <b>60</b>
8.	Name, Surname, academic title:  Botanical part: <b>Alicja Dołzbłasz, PhD</b> (alicja.dolzblasz@uwr.edu.pl) <b>Edyta Gola, PhD</b> (edyta.gola@uwr.edu.pl) <b>Elżbieta Myśkow, PhD</b> (elzbieta.myslow@uwr.edu.pl) <b>Katarzyna Sokołowska, PhD</b> (katarzyna.sokolowska@uwr.edu.pl) <b>Paulina Tomaszewska, PhD</b> (paulina.tomaszewska@uwr.edu.pl)  Zoological part: <b>Izabela Jędrzejowska, PhD</b> (izabela.jedrzejowska@uwr.edu.pl) <b>Magda Dubińska-Magiera, PhD</b> (magda.dubinska-magiera@uwr.edu.pl) <b>Marta Migocka-Patrzałek, PhD</b> (marta.migocka-patrzalek@uwr.edu.pl)
9.	<b>Course description/Content:</b> Plant structure (organs, tissues), methods used in the plant cell biology, structures and compartments specific to plant cell, cell cycle; characteristics of the ecological plant groups, selected issues on the plant taxonomy and systematics; plant cell evolution; primary and secondary plant architecture; phenotyping; chosen aspects of the plant developmental biology and plant biotechnology. Animal cells: nucleus, cytoplasmic structures, cell divisions. Animal tissues: epithelial, connective, muscle and nervous.
10.	Recommended literature: Selected articles and chapters from the following books: Alberts et al.. "Molecular biology of the cell", 1994, 2005-2009, Garland Publishing; P. H. Raven et al. "Biology of plants", 2005, Freeman and Company Publishers. M.H. Ross, W. Pawlina: Histology-a text and atlas with correlated cell and molecular biology, pp. 98-341
11.	Form of credit: Lecture: written test Laboratory: written test and evaluation of the student's work in the lab, practical identification of histological sections
12.	Language: English
13.	Number of ECTS: <b>4</b>