

1.	Course name: Advanced techniques in plant developmental research
2.	Course code conforms to USOS: 25-BI-S1-E+-ATPDR
3.	University department: Faculty of Biological Sciences, Institute of Experimental Biology, Department of Plant Developmental Biology
4.	Course type: seminar and discussion sessions (30h)
5.	Degree: bachelor
6.	Semester: summer
7.	Number of hours: 30
8.	Name, Surname, academic title: Alicja Dołzblasz, PhD (alicja.dolzblasz@uwr.edu.pl)
9.	Course description/Content: <i>Arabidopsis thaliana</i> as a plant model system; genetic regulation of the shoot/root meristems maintenance and embryo development (the selected regulatory networks may vary from year to year); various experimental techniques with emphasis put on molecular biology techniques in plant science. During the course students have to prepare a presentation from a selected experimental technique; read selected research articles, from the plant developmental biology field, and to discuss, in English, about their content. The course requires quite a bit of unassisted work of students (student's own work). Students have to be fluent in English and possess a basic knowledge of plant developmental biology, molecular biology and genetics.
10.	Recommended literature: The publications containing the latest science news, scientific breakthroughs and discoveries from the plant developmental research. English dictionaries.
11.	Form of credit: seminar (15h) - Presentation, evaluation of the student's activity discussion sessions (15h) – written test (in English), evaluation of the student's activity
12.	Language: English
13.	Number of ECTS: 4