Course title:	New trends in plant genomics and biotechnology
Course title in Polish:	Nowe trendy w genomice i biotechnologii roślin
Course for discipline:	Biology

Semester:	7	**Status of course:**	faculty	**Language:**	english
Academic year:		**Catalog number:**			

Coordinator of course:	prof. dr hab. Monika Rakoczy-Trojanowska
Lecturer od course:	prof.dr hab. Grzegorz Bartoszewski, prof. dr hab. Wojciech Pląder, prof. dr hab. Monika Rakoczy-Trojanowska
Executing unit:	Institute of Biology
Ordering unit:	Doctoral School SGGW
Assumptions, goals and description of the course:	The aim of the classes is to become acquainted with the results of the latest and most important research in the field of plant genomics and biotechnology. The classes consist of 3 thematic blocks, each lasting 3 hours; each block consists of a short introductory lecture given by the teacher and 3-4 presentations of the latest articles on a given issue. The topics of the blocks are updated annually. The last hour of the course is devoted to general summaries and discussions.
Didactic form, number of hours:	lecture - 3 x 20 min. (total - 1 hour); lecturers' presentations - 8 hours; summary - 1 hour
Teaching methods:	lecture, discussion, presentations of doctoral students
Limit of people in the group:	no limit

Learning outcomes

KNOWLEDGE - the graduate knows and understands:	**SKILLS - the graduate is able to:**	**COMPETENCES - the graduate is ready to:**
To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievments in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research

The method of verification of learning outcomes:	assesements of presentations and activity
Form of documentation of achieved learning outcomes:	presentations of doctoral students recorded on CD
Elements and weights of the final grade:	the final grade is influenced by: presentation grade (75%) and activity grade (25%)
Place of the course:	seminar room; Institute of Biology, Department of Genetics, Plant Breeding and Biotechnology

Basic and supplementary literature

scientific publications on the subject of a given block; choice agreed with the teacher

Comments:	

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	20

Leraning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:

Symbol:	**Learning outcomes:**	**8 level NQF**
SD1_KW01	To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievments in the field/discipline represented	P8S_KK
SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR