

Course title	Plant cell biology		
Course code	Semester	ECTS	Lectures/ classes
13.1.1446	summer	2	Lectures: 15 hours
Name of the lecturer and contact	dr hab. Małgorzata Kozieradzka-Kiszkurno; dr Małgorzata Kapusta; mgr Emilia Brzezicka; dr hab. Agnieszka Kowalkowska, profesor uczelni; mgr Natalia Wiśniewska; dr Joanna Rojek		
Prerequisites	none		
Course description	<p>Recent techniques used in plant cell biology research.</p> <p>Structural and functional organization of the plant cell (cell organelles).</p> <p>The role of the cytoskeleton in cell development and division.</p> <p>The cell cycle and cell division.</p> <p>Polyploidization of plant cells.</p> <p>Diversity of the types/mechanisms of programmed cell death in plants.</p>		
Learning outcomes	<p>Knowledge:</p> <ul style="list-style-type: none"> - explains the differences in the structure and functioning of the cell prokaryotic and eukaryotic -demonstrate knowledge about the structure and function of plant organelles, plant cell wall and cytoskeleton, understand mechanism of plant cell cycle and development -recognizes the wealth of contemporary approaches and experimental techniques in plant cell biology and properly plans to use them to solve given tasks <p>Skills:</p> <ul style="list-style-type: none"> -independently searches for and uses available sources of biological information, including about plant cell biology -learns independently in a targeted manner in the field of plant cell biology -recalls technical English-language vocabulary in the field of plant cell biology in everyday scientific activity 		