

<b>Course name</b>	<b>Flora of Brown-Fields</b>	
<b>Course code</b>	<b>E.11.FOF.SC.ECTIE.O</b>	
<b>Department</b>	<b>Unit of Botany and Plant Physiology, Institute of Plant Biology and Biotechnology,</b>	
<b>Faculty</b>	<b>Faculty of Biotechnology and Horticulture</b>	
<b>Course supervisor/Lecturer</b>	<b>Dr. Sc. Ewa Hanus-Fajerska</b>	
<b>General information</b>	<b>Semester</b>	<b>summer semester</b>
	<b>ECTS credits</b>	<b>6</b>
	<b>Lectures total</b>	<b>6 h</b>
	<b>Field classes</b>	<b>24 h</b>
<b>Objective and general description</b>	The course concerns unique properties of Polish brown-fields floristic biodiversity. Classes focus on some objects of study which are chosen to represent actually or formerly degraded areas.	
<b>Lectures</b> <b>3x 2h</b>	<ol style="list-style-type: none"> <li>1. Reasons for degradation of land and resulting brown-fields areas formation.</li> <li>2. Plant material adapted to disturbed sites of different kind.</li> <li>3. Diversity of vegetation on exemplary areas degraded to different level.</li> </ol>	
<b>Field classes</b> <b>24h</b>	The main aim of field classes is to transmit suitable knowledge of local vegetation and the possible impact of particular flora representatives on effectiveness of degraded areas reclamation. On exemplary objects students will gain practical experience in solutions to the problem of land degradation recovery.	
<b>References</b>	<p>Woźniak G. 2010. Diversity of vegetation on coal-mine heaps of the Upper Silesia (Poland). Copyright W. Szafer Institute of Botany, Polish Academy of Sciences (In Polish with English summary)</p> <p>Nowak T., Kapusta P., Jędrzejczyk-Korycińska G., Szarek-Łukaszewska G., Godzik B. 2011. The vascular plants of the Olkusz Ore-Bearing Region. Copyright W. Szafer Institute of Botany, Polish Academy of Sciences.</p> <p>Pypeć M., Hanus-Fajerska E. 2010. Economically efficient ecological methods of postindustrial areas management. Z. Pr. Post. Nauk Roln. – Adv. Agric. Sci. 551: 305-311 (In Polish with English summary)</p>	