

Rok akademicki:	2012/2013	Grupa przedmiotów:		Numer katalogowy:	
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Nazwa przedmiotu <sup>1)</sup> :	Seminarium dyplomowe			ECTS <sup>2)</sup>	6
Tłumaczenie nazwy na jęz. angielski <sup>3)</sup> :	Diploma seminar				
Kierunek studiów <sup>4)</sup> :	Environment protection				
Koordynator przedmiotu <sup>5)</sup> :	prof. dr hab. Helena Gawrońska				
Prowadzący zajęcia <sup>6)</sup> :	prof. dr hab. Helena Gawrońska				
Jednostka realizująca <sup>7)</sup> :	Laboratory for Basic Research in Horticulture, Faculty of Horticulture and Landscape Architecture				
Wydział, dla którego przedmiot jest realizowany <sup>8)</sup> :	Interfaculty Studies of Environment Protection				
Status przedmiotu <sup>9)</sup> :	a) przedmiot basic subject	b) level II, year I i II	c) Dayt study		
Cykl dydaktyczny <sup>10)</sup> :	1, 2 i 3 semesters of study	Jęz. wykładowy <sup>11)</sup> : English			
Założenia i cele przedmiotu <sup>12)</sup> :	Założenia: Seminars are conducted in Restoration and Management of Environment specialization. The course aims to deepen knowledge of research methodology and the application of advanced techniques and research tools to solve professional problems. The student deepens the particular research problem (realted to the topic of MS work. Posses presentation skills using various means of communication and the ability to prepare written research work. Deepens the knowledge of intellectual property rights and the organization of safe and responsible work environment.				
Formy dydaktyczne, liczba godzin <sup>13)</sup> :	a) Seminar practicum; number of men-hours: 1 <sup>st</sup> semester =30 hs., 2 <sup>nd</sup> semestr =30 godz., 3 <sup>rd</sup> semestr =30 godz., Total men-hour 90;				
Metody dydaktyczne <sup>14)</sup> :	analysis of source texts, presentation, discussion, case study analysis of the environmental organization of source texts, presentation, discussion, case study work.				
Pełny opis przedmiotu <sup>15)</sup> :	Characteristics, criteria and scope of the thesis. The methodology of scientific research - selected aspects of the research area of specialization. Critical assessment of the use of multiple sources of information. The typical layout of scientific work. Intellectual property law (sections selected). Industrial Property Law: inventions and utility models, industrial designs, trademarks, patent attorneys and the Patent Office. Safety, hygiene and ergonomics (sections selected). The integration of quality systems, environment and safety (TQM). Certification in scientific research: accreditation and certification, certification mandatory and voluntary, the Polish system of testing and certification. Students prepare in teams an essay on a given subject and the selected topic related to the implemented master thesis. Presentations of research results and the discussion under the guidance of tutor of the specialization. Each student presents a seminar on the current state of implementation of the thesis. In one semester presentation includes, work item proposals and the reasons, the state of knowledge in research, the purpose and research hypothesis, research design and methodology used. The student presents to the acceptance of a framework program for master's thesis by the formula adopted by the Faculty. In semester 2 student presents partial results, their discussion and evaluation. The presentation should include verification of the assumptions s made in the draft program of research and further action. In the 3rd semester student presents the results of studies that documents achievement of the intended purpose and provide verification of research hypotheses and presents the study's conclusions.				
Wymagania formalne (przedmioty wprowadzające) <sup>16)</sup> :	Students should have knowledge of the subjects to allow testing, analyzing and interpreting the results obtained under the direction of the thesis supervisor (vary depending on individual research topics) and seminars tutor.				
Założenia wstępne <sup>17)</sup> :	The student is prepared to carry out research to the extent necessary for a dissertation topic				
Efekty kształcenia <sup>18)</sup> :	01 - able to plan and carry out research tasks under the guidance of a tutor 02 - can determine the state of knowledge in research using a critical information from multiple sources in. Polish and English 03 - uses in a safe and responsible way techniques and research tools to solve professional problems 04 – demonstrates a in-depth presentation skills both in Polish and English of the research problem using different means of communication	05 - has depth ability to prepare a written research and development of its summary in English 06 - has expanded knowledge of copyright law (protection of industrial property, patent law) 07 - understands the need for learning throughout life by systematically studying the professional literature 08 - can interact and work in a group 09 - knows the rules of safety and ergonomics			
Sposób weryfikacji efektów kształcenia <sup>19)</sup> :	Efekty 01, 02, 03, 04, 07, 09 - evaluation of research task presentations using multimedia tools, the assessment activity during the course (semester 1, 2, 3), Effects of 05, 06 - Evaluation of the thesis (semester 3) The effect of 08 - assessment of the task team on a given subject (semester 2)				

Forma dokumentacji osiągniętych efektów kształcenia <sup>20)</sup> :	electronic form of personal, presentation and evaluation of student card
Elementy i ich wagi mające wpływ na ocenę końcową <sup>21)</sup> :	Semester 1: evaluation of research task presentations using multimedia tools - 0.6, the assessment of activity in the class - 0.4 Semester 2: evaluation of research task presentations using multimedia tools - 0.4, the assessment of activity in the class - 0.2, the assessment task in a team on a given subject - 0.4 Semester 3: evaluation of research task presentations using multimedia tools - 0.3, the assessment of activity in the class - 0.2, the evaluation thesis - 0.5
Miejsce realizacji zajęć <sup>22)</sup> :	Lecture room
Literatura podstawowa i uzupełniająca <sup>23)</sup> :	1/ How to write scientific paper and diploma thesis – materials provided by teacher on first seminar 2/ Further literature differs and depends on topics of particular MS theme
UWAGI <sup>24)</sup> :	

Wskaźniki ilościowe charakteryzujące moduł/przedmiot<sup>25)</sup>: diploma seminars receives in total 6 ECTS points i.e. 2 ECTS points per semester  
Value of ECTS assigned to semesters and man-hour:

**Semestr 1** - seminar practicum 30 hours, preparation of presentation on given scientific task 15 hours., analysis of source materials 10 hours what in **total gives of 55 hours what equals of 2 ECTS points**

**Semestr 2** - seminar practicum 30 hours, preparation of presentation on given scientific task 10 hours, performing, of given task in team, 15 hour **what in total gives of 55 hours what equals of 2 ECTS points**

**Semestr 3** - seminar practicum 30 hours, preparation of presentation on given scientific task 15 hours., analysis of source materials 10 hours what in **total gives of 55 hours what equals of 2 ECTS points**

approximate total number of hours of students work (with lecturer and own work) required for attaining of planned educational effects <sup>18)</sup> - based on his value the number of ECTS <sup>2</sup> is counted	30 h ( with lecturer) 25 h ( students own work)) total 55 h*
total number of ECTS points which student receives as based on number of hours with academic lecturer	1 ECTS*
total number of ECTS points which student receives as based on number of hours spent on practical activities such as seminars and projects elaborated	- ECTS

\* podane wartości odnoszą się do okresu semestru

Tabela zgodności kierunkowych efektów kształcenia efektami przedmiotu<sup>26)</sup>

Nr /symbol efektu	Wymienione w wierszu efekty kształcenia:	Odniesienie do efektów dla programu kształcenia na kierunku
01	is able to plan and carry out research tasks under the guidance of a tutor	K_U02+++ , K_U12++ , K_W09++ , K_U07+++
02	has potential to determine the state of knowledge in research using a critical information from multiple sources in jęz. Polish and English	K_U05 +++, K_S06++
03	uses in a safe and responsible techniques and research tools to solve professional problems	K_U02 + , K_W11++
04	demonstrate in-depth presentation skills in jęz. Polish and English research problem using various means of communication	K_U09 ++ , K_S01 ++ , K_U06++
05	shows ability to prepare written research and development of its summary in English	K_U08 ++ , K_U06++
06	has an extended knowledge of copyright law (protection of industrial property, patent law)	K_W10 ++ ,
07	understands the need for learning throughout life by systematically studying the professional literature	K_S06 ++
08	is able to interact and work in a team	K_S02 ++
09	is able to plan and carry out research tasks under the guidance of a tutor	K_W11 ++