(*faculty stamp*)

COURSE DESCRIPTION

1. Course title: DIRECTIONAL SEMINAR	**2. Course code**
3. Validity of course description: 2016/2017	
4. Level of studies: BA, BSc programme 1st cycle cycle of higher education	
5. Mode of studies: intramural studies	
6. Field of study: Industrial and Engineering Chemistry	(FACULTY SYMBOL) RCH
7. Profile of studies: general	
8. Programme: -	
9. Semester: VII	
10. Faculty teaching the course: Department of Physical Chemistry and Technology of Polymers	
11. Course instructor: prof. dr hab. inż. Mieczysław Łapkowski	
12. Course classification: common	
13. Course status: compulsory	
14. Language of instruction: English	
15. Pre-requisite qualifications:	
16. Course objectives: Diploma seminars are designed to allow students to present the objectives and results of the diploma projects. Students become familiar with the formal rules of writing work. Students will also discuss the issues of their projects giving presentations. The self-presentation aspects will be also discussed and evaluated.	

17. Description of learning outcomes:

Nr	Learning outcomes description	Method of assessment	Teaching methods	Learning outcomes reference code
1.	Student has theoretically founded background knowledge in the field of inorganic chemistry, organic, physical, analytical and engineering	oral presentation	seminar	**K_W07+++**
2.	Student has background knowledge necessary to understand the social, economic, legal and other non-technical business	oral presentation	seminar	**K_W14+++**
3.	Student obtains information from the literature, databases and other sources related to the chemical sciences, integrates them, interprets and draws conclusions and formulates opinions	oral presentation	seminar	**K_U01 +**

18. Teaching modes and hours

Lecture / BA /MA Seminar / Class / Project / Laboratory

BA Seminar - 30 h

19. Syllabus description:

The student is preparing two presentations on the subject of engineering work according to the following schedule:
1. Purpose
2. Applied research methodology
3. The results
4. Critical discussion of the results
5. Summary and conclusions

During the seminar, leader evaluates the presentations both in terms of the content and quality of presentation and self-presentation. In addition, student activity is evaluated in discussions on speeches.

20. Examination: no

21. Primary sources: literature selected depending on the project's topic; database SciFinder, Scopus, Reaxys and other

22. Secondary sources:

23. Total workload required to achieve learning outcomes

Lp.	Teaching mode :	Contact hours / Student workload hours
1	Lecture	/
2	Classes	/
3	Laboratory	/
4	Project	/
5	BA/ MA Seminar	30/30
6	Other	/
	Total number of hours	30/30

24. Total hours:60

25. Number of ECTS credits: 2

26. Number of ECTS credits allocated for contact hours: 1

27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects):

26. Comments:

Approved:

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(date, Instructor's signature) (*date , the Director of the Faculty Unit signature)*