

POLITECHNIKA KRAKOWSKA IM. TADEUSZA KOŚCIUSZKI

KARTA PRZEDMIOTU

obowiązuje studentów rozpoczynających studia w roku akademickim 2019/2020

Wydział Inżynierii i Technologii Chemicznej

Kierunek studiów: Inżynieria Chemiczna i Procesowa

Profil: Ogólnoakademicki

Forma studiów: stacjonarne

Kod kierunku: I

Stopień studiów: II

Specjalności: Engineering of Technological Processes (IPT, IOZE)

1 INFORMACJE O PRZEDMIOCIE

| | |
|---|---------------------------------|
| NAZWA PRZEDMIOTU | Diploma seminar |
| NAZWA PRZEDMIOTU W JĘZYKU ANGIELSKIM | Diploma seminar |
| KOD PRZEDMIOTU | WITCh ICHIP oIIS E1 19/20 |
| KATEGORIA PRZEDMIOTU | Przedmioty związane z dyplomami |
| LICZBA PUNKTÓW ECTS | 2.00 |
| SEMESTRY | 3 |

2 RODZAJ ZAJĘĆ, LICZBA GODZIN W PLANIE STUDIÓW

| SEMESTR | WYKŁADY | ĆWICZENIA | LABORATORIUM | LABORATORIUM KOMPUTERO- WE | PROJEKT | SEMINARIUM |
|---------|---------|-----------|--------------|----------------------------------|---------|------------|
| 3 | 0 | 0 | 0 | 0 | 0 | 15 |

3 CELE PRZEDMIOTU

Cel 1 The aim of the course is to develop the following skills: (1) writing of technical documents, such as diploma thesis, studies and reports, (2) public presentation of the content related to the degree of Master of Engineering, that is delivering seminars and presenting papers.

Cel 2 To develop students skills: (1) active handling of the knowledge acquired during studies and using it in

practice and theory, (2) broadening the knowledge through self-study of the literature, (3) observing and analyzing phenomena within the subject of the work.

4 WYMAGANIA WSTĘPNE W ZAKRESIE WIEDZY, UMIEJĘTNOŚCI I INNYCH KOMPETENCJI

1 Ability to use an arbitrary text editor and a program for creating a presentation.

5 EFEKTY KSZTAŁCENIA

EK1 Umiejętności Student can write a diploma thesis meeting the formal requirements of diploma thesis.

EK2 Umiejętności Mastering the students skill in thesis presentation during the defense.

EK3 Kompetencje społeczne Development of communication skills.

EK4 Wiedza Student knows the rules of creating technical documents.

6 TREŚCI PROGRAMOWE

| SEMINARIUM | | |
|------------|--|------------------|
| LP | TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH | LICZBA GODZIN |
| S1 | Preliminary information about the purpose of the diploma seminar. Requirements for the thesis - guides for authors. Authors contribution. Issues of plagiarism. Methods of literature citations. | 2 |
| S2 | Presentation by students of the current stage of theses. | 13 |

7 NARZĘDZIA DYDAKTYCZNE

N1 Dyskusja

N2 Prezentacje multimedialne

N3 Konsultacje

8 OBCIĄŻENIE PRACĄ STUDENTA

| FORMA AKTYWNOŚCI | ŚREDNIA LICZBA GODZIN NA ZREALIZOWANIE AKTYWNOŚCI |
|--|---|
| Godziny kontaktowe z nauczycielem akademickim, w tym: | |
| Godziny wynikające z planu studiów | 15 |
| Konsultacje przedmiotowe | 0 |
| Egzaminy i zaliczenia w sesji | 0 |
| Godziny bez udziału nauczyciela akademickiego wynikające z nakładu pracy studenta, w tym: | |
| Przygotowanie się do zajęć, w tym studiowanie zalecanej literatury | 5 |
| Opracowanie wyników | 0 |
| Przygotowanie raportu, projektu, prezentacji, dyskusji | 10 |
| SUMARYCZNA LICZBA GODZIN DLA PRZEDMIOTU WYNIKAJĄCA Z CAŁEGO NAKŁADU PRACY STUDENTA | 30 |
| SUMARYCZNA LICZBA PUNKTÓW ECTS DLA PRZEDMIOTU | 2.00 |

9 SPOSOBY OCENY

OCENA FORMUJĄCA

F1 Delivered presentation concerning the thesis (its content, the organization, presentation style)

OCENA PODSUMOWUJĄCA

P1 Master thesis project

WARUNKI ZALICZENIA PRZEDMIOTU

W1 Average of the forming and final grades

KRYTERIA OCENY

| EFEKT KSZTAŁCENIA 1 | |
|---------------------|--|
| NA OCENĘ 3.0 | Student can write Master thesis meeting the formal requirements, but it requires a very large support from the supervisor. |
| NA OCENĘ 3.5 | Student can write Master thesis meeting the formal requirements, but it requires a large support from the supervisor. |
| NA OCENĘ 4.0 | Student can write Master thesis meeting the formal requirements, but it requires a small support from the supervisor. |

| | |
|---------------------|--|
| NA OCENĘ 4.5 | Student can write Master thesis meeting the formal requirements, committing few errors. |
| NA OCENĘ 5.0 | Student can write Master thesis work that meets all the formal requirements of Master thesis. |
| EFEKT KSZTAŁCENIA 2 | |
| NA OCENĘ 3.0 | Student can create multimedia presentations. Student is able to use appropriate technical means and visual aids, but can not perform in public, and can not deliver seminars and reports of the research. Student is unable to tell about own activities. Student reads from sheets and slides, often with own back to the audience. Student can not respond to any questions from the audience. |
| NA OCENĘ 3.5 | Student can create multimedia presentations. Student can perform in public, deliver seminars and reports of the research with using appropriate technical means and visual aids, but it is problematic and reads from sheets and screen. Student is unable to interest the audience. Student is unable to tell about own activities. |
| NA OCENĘ 4.0 | Student presents publicly the content related to the results of the thesis - individually delivers seminars and research reports using appropriate technical means and visual aids. Student is unable to interest the audience. Student can not answer to questions from the audience. |
| NA OCENĘ 4.5 | Student presents publicly the content related to the results of the thesis - individually delivers seminars and research reports using appropriate technical means and visual aids. Student is able to interest the audience, but has problems with answers to questions from audience. |
| NA OCENĘ 5.0 | Student presents publicly the content related to the results of the thesis - without any problem independently delivers seminars, presentations and reports from research using appropriate technical means and visual aids. Student is able to interest the audience. Student is able to answer to questions from the audience. |
| EFEKT KSZTAŁCENIA 3 | |
| NA OCENĘ 3.0 | Student is able to work in a group, but has big problems with communication. Student does not cope with own emotions and stress. |
| NA OCENĘ 3.5 | Student is able to work in a group, has little problems with communication, fairly well cope with own emotions and stress. Student does not understand and does not use in practice the importance of verbal and non-verbal communication. |
| NA OCENĘ 4.0 | Student is able to work in a group, there are no problems with communication, does well cope with own emotions and stress. Student understands but does not use in practice the importance of verbal and non-verbal communication. |
| NA OCENĘ 4.5 | Student is able to communicate in different situations. Student does very well cope with own emotions and stress. Student is able to work in a team. Student is able to discuss. Student understands and uses in practice the importance of verbal and non-verbal communication |

| | |
|---------------------|--|
| NA OCENĘ 5.0 | Student is able to communicate in different situations. Student does perfectly cope with own emotions and stress. Student is able to work in a team. Student is able to discuss. Student understands and uses in practice the importance of verbal and non-verbal communication. |
| EFEKT KSZTAŁCENIA 4 | |
| NA OCENĘ 3.0 | Student knows the rules for creating technical documentation, but can not without the help of the promoter individually create a technical document that meets the formal requirements. |
| NA OCENĘ 3.5 | Student knows the rules for creating technical documentation, can create a technical document that meets the formal requirements, but it requires a large support from the supervisor. |
| NA OCENĘ 4.0 | Student knows the rules for creating technical documentation, can create a technical document that meets the formal requirements, but it requires a little help from the supervisor. |
| NA OCENĘ 4.5 | Student knows the rules for creating technical documentation, and can independently create a technical document, committing few errors. |
| NA OCENĘ 5.0 | Student knows the rules for creating technical documentation, and can independently create a technical document that meets the formal requirements. |

10 MACIERZ REALIZACJI PRZEDMIOTU

| EFEKT KSZTAŁCENIA | ODNIESIENIE DANEGO EFEKTU DO SZCZEGÓŁOWYCH EFEKTÓW ZDEFINIOWANYCH DLA PROGRAMU | CELE PRZEDMIOTU | TREŚCI PROGRAMOWE | NARZĘDZIA DYDAKTYCZNE | SPOSOBY OCENY |
|-------------------|--|-----------------|-------------------|-----------------------|---------------|
| EK1 | K2_W05 K2_U04 | Cel 1 Cel 2 | S1 S2 | N2 | F1 P1 |
| EK2 | K2_U02 K2_U03 | Cel 1 Cel 2 | S2 | N1 N2 N3 | F1 |
| EK3 | K2_U03 K2_K02 | Cel 1 Cel 2 | S2 | N1 N2 N3 | F1 |
| EK4 | K2_U01 K2_U02 K2_U04 | Cel 1 | S1 | N1 | P1 |

11 WYKAZ LITERATURY**12 INFORMACJE O NAUCZYCIELACH AKADEMICKICH****OSOBA ODPOWIEDZIALNA ZA KARTĘ**

dr hab. inż. prof. PK Katarzyna Bizon (kontakt: katarzyna.bizon@pk.edu.pl)

OSOBY PROWADZĄCE PRZEDMIOT

1 dr hab. inż. Katarzyna Bizon (kontakt: kbizon@chemia.pk.edu.pl)

13 ZATWIERDZENIE KARTY PRZEDMIOTU DO REALIZACJI

(miejsowość, data)

(odpowiedzialny za przedmiot)

(dziekan)

PRZYJMUJĘ DO REALIZACJI (data i podpisy osób prowadzących przedmiot)

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