

SYLLABUS

Course description

| Course code | | Course | SEMINARIUM DYPLOMOWE | | |
|---|----------------------------|---|-----------------------------|------------------------|--|
| MB/O/I/NST/H01 | | | DIPLOMA SEMINAR | | |
| Language of instruction | | English | | | |
| Academic year | | 2023/2024 | | | |
| field of study: | | Mechanical engineering | | | |
| field of specialisation: | | All | | | |
| Educational level | | first-cycle studies | | | |
| Education profile | | General academic | | | |
| Mode of study | | Part-time studies | | | |
| Semester(s) | | 7 | | | |
| Affiliation with a group of classes | | Group of classes: Preparation of the diploma thesis and preparation for the diploma examination | | | |
| Course status | | obligatory | | | |
| Types of classes, instruction hours, ECTS credits | | Types of classes | Number of instruction hours | Number of ECTS credits | |
| | | Seminar | 20 [h] | 4 ECTS | |
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| | | | | | |
| Linkage of the course | with the education profile | related to the conducted scientific activity in the discipline to which the field of study is assigned | | 0 ECTS | |
| | with qualifications | It is used to acquire engineering competenses by the student | | 4 ECTS | |
| | with science discipline | Mechanical engineering | | 4 ECTS | |
| Form of teaching | | Traditional – classes organized at the University /classes conducted using online learning methods and techniques | | | |
| Prerequisites | | Basic knowledge and skills acquired during first-cycle studies | | | |
| Department | | Faculty of Mechanical Engineering | | | |
| Coordinator | | Decision of the authorities of the managing entity | | | |
| The website of the basic organizational unit | | http://wm.uniwersytetradom.pl | | | |
| E-mail address, phone number of the coordinator | | dziekan.wm@uthrad.pl (48) 361-76-00 | | | |

LEARNING OUTCOMES, CURRICULUM CONTENT, TEACHING CLASSES, VERIFICATION OF LEARNING OUTCOMES

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|---|--|
| Learning Objective: | The aim of the classes is: - acquiring the ability to write a diploma thesis, - acquiring the ability to collect, analyze and use the literature of the subject to solve engineering tasks. |
| Curriculum Content: | Presentation of formal requirements for writing diploma theses. Collecting and using the literature of the subject in the work being developed. Preparation of a schedule for the presentation of individual diploma theses. Analysis of students' speeches in terms of the correctness of the work structure. Ongoing control of students' progress in the implementation of topics and checking the course of consultations with supervisors. Preparation of assumptions for the thesis defense scenario and consultations on materials to be presented at the diploma exam. |
| Didactic (educational) methods: | Classes organized and carried out outside the University, on the premises of cooperating workplaces or institutions. Situational problem method; practice-practical methods: project; experiences; field observations and measurements. |
| Course assessment type, the criteria for assessing the achieved learning outcomes, and the method of calculating the final grade: | The condition for passing the course is to achieve all the required learning outcomes specified for the subject and on the basis of the grade from the presentation |

| Learning outcomes for the course in relation to the field of study learning outcomes and the type of classes | | | | Methods of verifying learning outcomes | |
|--|---|--|------------------|--|-----------------------------------|
| Learning outcome number | Description of the learning outcomes for the course (PEU) A student who has passed the course (W) knows and understands / (U) can / (K) is ready to: | Field of study learning outcome (KEU) | Types of classes | Form of verification (credits) | Methods of testing and assessment |
| U1 | Can identify and describe a simple engineering task of a practical nature in the field of designing and manufacturing machine parts and their operation | K_WG09 K_WG10 K_WG11 K_WG12 K_WG13 K_WG14 K_WG15 K_WG16 K_WK20 K_WK22 K_WK23 K_UW02 K_UW03 K_UW04 K_UW05 K_UW08 K_UW09 K_UW10 | seminar | presentation | Ocena z prezentacji |
| U2 | Can use various sources and databases to collect the necessary data to perform an engineering task | K_UW01 K_UW12 K_UW14 K_UK18 | seminar | presentation | Ocena z prezentacji |
| U3 | Is able to prepare a study/report on ongoing engineering works | K_UK16 K_UK17 | seminar | presentation | Ocena z prezentacji |
| U4 | Is able to analyze and effectively implement the assigned engineering task | K_UO19 K_UO20 | seminar | presentation | Ocena z prezentacji |
| K1 | He is ready to supplement his specialist knowledge throughout his life | K_KK01 | seminar | presentation | Ocena z prezentacji |
| K2 | He is ready to use the help of experts | K_KK02 | seminar | presentation | Ocena z prezentacji |

| Literature and teaching aids |
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| 1. Budzeń H.: Przygotowanie pracy magisterskiej. Przewodnik metodyczny Wyd. Politechniki Radomskiej, Radom 2000 2. Lis S.: Poradnik organizacji projektowania dyplomowego. Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa 1996 3. Majchrzak J., Mendel T.: Metodyka pisanie prac magisterskich i dyplomowych. Wyd. Akademii Ekonomicznej, Poznań 1999 wyd. 3 4. Opoka E.: Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych. Wyd. Politechniki Śląskiej, Gliwice 1999 wyd.2 |

| Student workload required to achieve the assumed learning outcomes – the balance of ECTS credits | | | |
|--|---------------------------|---|------------------|
| Attendance, participation | Student workload [h]. | | |
| | Other contact hours (IGK) | Student's self-study hours Classes without a teacher (ZBN) | Classes |
| Participation in practice | X | X | 20 [h] |
| Meeting with teachers during their duty hours | 8 [h] | X | X |
| Preparation for passing | X | 60 [h] 12 [h] | X |
| Total student workload | 8 [h]/ 0,4 ECTS | 72 [h]/ 2,8 ECTS | 20 [h]/ 0,8 ECTS |
| ECTS credits for the course | 100 h/ 4 ECTS | | |

| Additional information, comments |
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| <p>In the case of students with special needs, including disabilities, and chronic illnesses, the methods and forms of verification of learning outcomes specified above (in the syllabus) are adapted to the individual needs of these students, as appropriate.</p> <p>Detailed rules and forms of support for students with special needs, including those with disabilities and chronically ill, during classes, credits, and exams are specified in: University Regulations (Regulamin Studiów Uniwersytetu Technologiczno-Humanistycznego w Radomiu), Study Regulations (Zasady Studiowania), and Procedure for Ensuring Accessibility of the Educational Process to Students with Special Needs, Including Those with Disabilities and Chronically ill (Procedura dotycząca zapewnienia dostępności procesu kształcenia studentom ze szczególnymi potrzebami, w tym: z niepełnosprawnością, przewlekłe chorych).</p> |

