

| <b>STUDY MODULE DESCRIPTION FORM</b>   |  |  |
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| Name of the module/subject<br><b>Diploma seminar</b>   |  | Code<br><b>1010331471010330081</b>   |
| Field of study<br><b>Information Engineering</b>   | Profile of study<br>(general academic, practical)<br><b>(brak)</b> | Year /Semester<br><b>4 / 7</b>   |
| Elective path/specialty<br><b>Safety of Computer Systems</b>   | Subject offered in:<br><b>polish</b>                               | Course (compulsory, elective)<br><b>obligatory</b>   |
| Cycle of study:<br><b>First-cycle studies</b>  | Form of study (full-time, part-time)<br><b>full-time</b>           |  |
| No. of hours<br>Lecture: - Classes: - Laboratory: - Project/seminars: <b>2</b>   |  | No. of credits<br><b>12</b>  |
| Status of the course in the study program (Basic, major, other)<br><b>(brak)</b>   |  | (university-wide, from another field)<br><b>(brak)</b>   |
| Education areas and fields of science and art<br><b>technical sciences</b>   |  | ECTS distribution (number and %)<br><b>12 100%</b>   |
| <b>Responsible for subject / lecturer:</b><br><br>dr hab. inż. Janusz Stokłosa, prof. nadzw.<br>email: janusz.stoklosa@put.poznan.pl<br>tel. +48 61 665 37 57<br>Wydział Elektryczny<br>ul. Piotrowo 3A 60-965 Poznań                              |  |  |
| <b>Prerequisites in terms of knowledge, skills and social competencies:</b>  |  |  |
| 1  | <b>Knowledge</b>   | Student knows typical engineering technology.  |
| 2  | <b>Skills</b>  | Student is able to prepare and present a short presentation on the results of the implementation of the engineering task.                                      |
| 3  | <b>Social competencies</b>   | Student is aware of the importance of a thorough implementation of the project, to preserve, respect for linguistic correctness standards and timely delivery. |
| <b>Assumptions and objectives of the course:</b><br>The aim of the seminar is to deepen the monographic knowledge in the field of the work of the engineer's diploma.  |  |  |
| <b>Study outcomes and reference to the educational results for a field of study</b>  |  |  |
| <b>Knowledge:</b>  |  |  |
| 1. Student realizes in current state, and the latest development trends in computer science. - [K_W19]   |  |  |
| <b>Skills:</b>   |  |  |
| 1. Student is able to acquire information from literature, data bases and other sources; student is able to integrate acquired information, to interpret it, to draw conclusions and to comprehensively formulate and justify judgments. - [K_U01] |  |  |
| 2. Student is able to evaluate the usefulness of routine methods and tools for solving simple tasks typical of engineering informatics and select and apply appropriate technologies. - [K_U22]  |  |  |
| <b>Social competencies:</b>  |  |  |
| 1. Student is able to think and act in an entrepreneurial way. - [K_K05]   |  |  |
| 2. Student is aware of the importance of a thorough implementation of the project, to preserve, respect for linguistic correctness standards and timely delivery of work. - [K_K07]  |  |  |
| <b>Assessment methods of study outcomes</b>  |  |  |
| Assessment of the presentations.   |  |  |
| <b>Course description</b>  |  |  |
| In the framework of the seminar professor controls the process of preparation of the thesis. Students present solutions to problems in the work concerned.   |  |  |

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| <b>Basic bibliography:</b><br>1. Depending on the diploma thesis.      |                             |             |
| <b>Additional bibliography:</b><br>1. Depending on the diploma thesis. |                             |             |
| <b>Result of average student's workload</b>                            |                             |             |
| <b>Activity</b>  | <b>Time (working hours)</b> |             |
| 1. Udział w seminarium   | 30                          |             |
| 2. Bieżące przygotowanie do seminarium                                 | 40                          |             |
| 3. Przygotowywanie pracy dyplomowej inżynierskiej                      | 190                         |             |
| 4. Udział w konsultacjach  | 40                          |             |
| <b>Student's workload</b>  |                             |             |
| <b>Source of workload</b>  | <b>hours</b>                | <b>ECTS</b> |
| Total workload   | 300                         | 12          |
| Contact hours  | 70                          | 3           |
| Practical activities   | 150                         | 6           |