| STUDY MODULE DESCRIPTION FORM | | | | | | | |
|--|---|--|--|----------------|---|--|--|
| | f the module/subject | ent | Code 1010335541010337156 | | | | |
| Field of | | | Profile of study (general academic, | , practical) | Year /Semester | | |
| | mation Engineer | ring | (brak) | | 2/4 | | |
| Elective path/specialty Information Technologies | | | Subject offered in: Polis | h | Course (compulsory, elective) obligatory | | |
| Cycle of | | jj | Form of study (full-time, | part-time) | | | |
| Second-cycle studies part-time | | | | | | | |
| No. of h | ours | | | | No. of credits | | |
| Lectur | e: 8 Classes | s: - Laboratory: - | Project/seminar | s: 8 | 3 | | |
| Status of the course in the study program (Basic, major, other) (university-wide, from another field) (brak) (brak) | | | | | | | |
| Educati | on areas and fields of sci | (brak) | | ia) | ECTS distribution (number | | |
| Euucali | | | | | and %) | | |
| technical sciences | | | | | 3 100% | | |
| Responsible for subject / lecturer: dr Jerzy Bartoszek email: jerzy.bartoszek@put.poznan.pl tel. 665-3724, 665-3729 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań | | | | | | | |
| Prere | quisites in term | s of knowledge, skills an | d social compete | encies: | | | |
| 1 | 1 Knowledge knows and understands selected problems of modeling and analysis extent | | | | sis of IT systems to a greater | | |
| | | [K2_W05 (P7S_WG)] | | | | | |
| 2 | Skills | can acquire information from literature, databases and other sources; can integrate the obtained information, make their interpretation and critical evaluation and creative interpretation and presentation, as well as draw conclusions and formulate and fully justify opinions [K2_U01 (P7S_UW)] | | | | | |
| 3 | Social | is ready to critically evaluate the in solving cognitive and practica | | ognition of th | ne importance of knowledge | | |
| | competencies | [K2_K02 (P7S-KK)] | - | | | | |
| Assumptions and objectives of the course: Principles of workflow management systems. | | | | | | | |
| Study outcomes and reference to the educational results for a field of study | | | | | | | |
| Know | /ledge: | | | | | | |
| | vs and understands kr /12 (P7S_WG)]] | nowledge of key issues in selected | IT systems with spec | ific features | or purpose - | | |
| Skills | : | | | | | | |
| 1. can work in a team - formulate a specific. fragments of atypical or complex IT systems; use your knowledge in formulating and solving atypical IT problems, make an initial economic assessment of the proposed solutions and engineering activities undertaken, and innovatively perform tasks related to complex IT systems - [[K2_U08 (P7S_UW)]] | | | | | | | |
| 2. can manage the work of a team implementing unusual or complex IT systems - [[K2_U09 (P7S_UW)]] | | | | | | | |
| Social competencies: 1. is willing to take care of the profession and achievements of the IT profession; is aware of the importance and understands the non-technical aspects and effects of the engineer-informatics activity and the related responsibility for the decisions made and compliance with the ethics of the profession of IT - [[K2_K02 (P7S-KR)]] | | | | | | | |
| | | | | | | | |
| Assessment methods of study outcomes | | | | | | | |

Lectures: written tests, pass criterion of 50.1% points

Project labs: ocena wykonanych projektów i sprawozdań.

Course description

Lectures: Basic concepts, including processes, actions, events, partycypants. Modeling of the workflow: XPDL and BPMN. The basic components of workflow management systems.

Course update 2017: Examples of workflow management systems.

Projects: Projects carried out by groups of students.

Teaching methods:

lectures - with multimedia presentation, additional topics included in Moodle course

projects - group work, multimedia presentation, analysis/discussion, used tools enable students to perform tasks at home

Basic bibliography:

1. http://www.bpmn.org/

Additional bibliography:

1. https://camunda.org/bpmn/tutorial/

2. Subieta K., Zarzadzanie przeplywem pracy I 1998.ppt

3. Subieta K., Zarzadzanie przeplywem pracy II 1998.ppt

4. Bartoszek J., Brzykcy G., Wybrane elementy środowiska informatycznego, Wydawnictwo PP, Poznań, 2000

Result of average student's workload

| Activity | Time (working hours) | | | | | |
|---|-------------------------|------|--|--|--|--|
| 1. Paricipation in lectures | 8 | | | | | |
| 2. Participation in project labs. | 8 | | | | | |
| 3. Project modeling and design | 15 | | | | | |
| 4. Consultations | 8 | | | | | |
| 5. Studying additional problems mentioned in the lectures | 36 | | | | | |
| Student's workload | | | | | | |
| Source of workload | hours | ECTS | | | | |
| Total workload | 75 | 3 | | | | |
| Contact hours | 24 | 1 | | | | |
| Practical activities | 23 | 1 | | | | |