| STUDY MODULE DESCRIPTION FORM | | | | | | |
|--|--|---|---------------------------------|--|--|--|
| Name or Tech | f the module/subject nical and Scient | ific Writing | | Code 1010512311010917861 | | |
| Field of study | | | Profile of study | Year /Semester | | |
| Computing | | | general academic, practical) | 1/1 | | |
| Elective path/specialty | | | Subject offered in: | Course (compulsory, elective) | | |
| | Inte | ernet of Things | Polish | obligatory | | |
| Cycle of study: Form of study (full-time,part-time) | | | | | | |
| Second-cycle studies | | | full-time | | | |
| No. of h | ours | | | No. of credits | | |
| Lecture: - Classes: 30 Laboratory: - Project/seminars: | | | | - 2 | | |
| Status o | of the course in the study | ield) | | | | |
| | | om field | | | | |
| Education | on areas and fields of sci | ence and art | | ECTS distribution (number and %) | | |
| technical sciences | | | | 2 100% | | |
| Resp | onsible for subje | ect / lecturer: | | | | |
| L. A | nioła-Jędrzejek, Ph.D. | | | | | |
| ema | ail: Centre of Language | es and Communication, PUT | | | | |
| tel. (Cen | 61 6652491 tre of Languages and | Communication PUT | | | | |
| Piot | rowo 3a Str., 60-965 F | Poznan | | | | |
| Prerequisites in terms of knowledge, skills and social competencies: | | | | | | |
| | Knowledge | Learning objectives of the first cy | cle studies defined in the reso | lution of the PUT Academic | | |
| 1 | Knowledge | Senate, especially K_W1-2, K_W4, K_W6-15 that are verified in the admission process to the second cycle studies ? the learning objectives are available at the website of the faculty www.fc.put.poznan.pl | | | | |
| | | He should also have basic knowledge regarding grammatical structure and general and technical vocabulary, required at first-cycle studies. | | | | |
| 2 | Skills | Learning objectives of the first cycle studies defined in the resolution of the PUT Academic Senate, especially K_U1-2, K_U4, K_U7-8, K_U14-20, K_U22-23, K_U26 that are verified in the admission process to the second cycle studies ? the learning objectives are available at the website of the faculty www.fc.put.poznan.pl | | | | |
| Student should have language skills at B2+ level in accorda for level B2+ Common European Framework of Reference f skills that are necessary to acquire information from given s understand the need to extend his/her competences. | | | | with the requirements set out anguages. Should also have ces of information and should | | |
| 3 | Social competencies | Learning objectives of the first cycle studies defined in the resolution of the PUT Academic Senate, especially K_K1-9 that are verified in the admission process to the second cycle studies ? the learning objectives are available at the website of the faculty www.fc.put.poznan.pl | | | | |
| | | Should be able to work individually and in a team. In addition, in respect to the social skills the student should show attitudes as honesty, responsibility, perseverance, curiosity, creativity, manners, and respect for other people. | | | | |
| Assu | mptions and obj | ectives of the course: | | | | |
| 1. Provide students with knowledge regarding academic written language. | | | | | | |
| 2. Develop students? skills of effective academic and ESP language usage, within the scope of four language skills, with an emphasis on writing and speaking | | | | | | |
| 3. Develop students? skills of adapting primary sources for scientific papers. | | | | | | |
| 4. Develops students? teamwork skills by preparing a joint project. | | | | | | |
| Study outcomes and reference to the educational results for a field of study | | | | | | |
| Knowledge: | | | | | | |
| 1. acquire formal academic language vocabulary - [K_W3] | | | | | | |
| 2. acqu | uire field-specific vocal | bulary - [K_W3] | | | | |
| 3. comprehend the principles of longer written utterances - [K_W3] | | | | | | |
| Skills: | | | | | | |

1. is able to acquire, combine, interpret and evaluate information from literature, databases and other information sources (in mother tongue and English); draw conclusions, and formulate opinions based on it. - [K_U1]

2. is able to prepare a short report in English, based on a technical text on cutting-edge technology in the field of computer sciences. - [K U3]

3. is able to prepare and present cutting-edge technology in the field of computer sciences, based on research papers. [K_U2]

4. is able to create Thesis Statement, paragraph, summary. - [K_U3]

5. has language skills at B2+ level in accordance with the requirements set out for level B2+ Common European Framework of Reference for Languages. - [K U6]

6. is able to formulate and test hypotheses regarding engineering problems and basic research problems. - [K_U12]

7. Is able to formulate formal business correspondence, such as conference invitations, meeting reports. - [K_U4]

Social competencies:

1. is able to work in a team, accepting different roles - [K_K5]

2. displays creativity and initiative in work and thinking - [K_K8]

3. is able to recognize and understand cultural differences in formal and informal environment in English and in different cultural settings - [-]

Assessment methods of study outcomes

Formative assessment:

based on continuous progress assessment,

Summative assessment:

- continuous assessment during every class (oral utterances),
- partial marking during every class, including teamwork,
- final mark.

Additional activity marks for classwork, and in particular for::

- discussing extended aspects of a problem,
- applying effectively new knowledge,
- umiejętność współpracy w ramach zespołu praktycznie realizującego zadanie szczegółowe w laboratorium,
- suggesting improvement of didactic material.

Course description

Curriculum comprises of the following topics:

Presenting students? scientific career and interests. The writing process: text organisation. Presenting Thesis statement. Elements of a formal definition. Elements and types of paragraphs (process, comparison/contrast). Forms of scientific expression: reporting results of research, a review of a selected article on newest developments in computer science. Differences between summary and paraphrase. The issue of plagiarism in scientific papers. Summarising: main structural elements, including relevant information in a logical order. Summary and abstract. Editing and proofreading scientific papers. Main features of scientific articles. Quoting.

Curriculum contains the following grammar and vocabulary areas:

Articles. Cohesion and coherence. Logical linking in sentences. Coordinating and subordinating conjunctions. Formal and informal language. Nominalisations. Argumentation and expressing opinion.

The form of the class is following: 2-hour class, once a week.

Learning methods:

- 1. multimedia presentation,
- 2. practical exercises, discussion, teamwork, case studies,
- 3. student?s individual work

Basic bibliography:

1. Cargill, M., O?Connor, P. 2011. Writing Scientific Research articles. Strategy and steps. Wiley-Blackwell.

- Hewings, M. 2012. Cambridge Academic English. Intermediate Advanced. Cambridge University Press.
- 3. Hogue A., Oshima A. 2006. Writing academic English. Pearson/Longman.
- 4. Jordan. R.R. 2008. Academic Writing Course. Longman.
- 5. McCarthy, M., O?Dell, F. 2008. Academic vocabulary in use. Cambridge University Press.

Additional bibliography:

- 1. Finkelstein, L., Jr. Pocket book of Technical Writing. McGraw-Hill
- 2. Writing Guidelines for Engineering and Science Students http://www.writing.engr.psu.edu/
- 3. Writing in Science http://www.monash.edu.au/lls/llonline/writing/science/index.xml

Result of average student's workload

http://www.put.poznan.pl/

| Activity | Time (working hours) | | | | |
|---|-------------------------|------|--|--|--|
| 1. participating in classes | 30 | | | | |
| 2. preparing for classes | 15 | | | | |
| 3. preparing written assignments | 5 | | | | |
| 4. consulting issues related to the subject of the course; especially related to classe | 2 | | | | |
| 5. studying literature / learning aids (10 pages = 1 hour), 30 pages | 3 | | | | |
| 6. discussing the results of students? individual work | | 2 | | | |
| Student's workload | | | | | |
| Source of workload | hours | ECTS | | | |
| Total workload 5 | 7 | 2 | | | |
| Contact hours 3 | 3 | 1 | | | |
| Practical activities 33 | 5 | 1 | | | |