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| | STUDY MODULE DI | ESCRIPTION FORM | | | |
|--|--|---|---|--|--|
| Name of the module/subject Computer Aided Struct | | | Code 1010101231010130660 | | |
| Field of study | | Profile of study (general academic, practical) | Year /Semester | | |
| Environmental Engineering First-cycle Studies | | s (brak) | 2/3 | | |
| Elective path/specialty | | Subject offered in: Polish | Course (compulsory, elective) obligatory | | |
| Cycle of study: | | Form of study (full-time,part-time) | | | |
| First-cycle studies | | full-time | | | |
| No. of hours | - | | No. of credits | | |
| Lecture: 15 Classes: | - Laboratory: 15 | Project/seminars: | - 3 | | |
| Status of the course in the study pro | gram (Basic, major, other) | (university-wide, from another fie | • | | |
| (bı | rak) | (| brak) | | |
| Education areas and fields of science | e and art | | ECTS distribution (number and %) | | |
| technical sciences | | | 3 100% | | |
| Technical science | ces | | 3 100% | | |
| Responsible for subject / lecturer: dr inż. Fabian Cybichowski email: fabian.cybichowski@put.poznan.pl tel. 61 665 24 14 Wydział Budownictwa i Inżynierii Środowiska | | | | | |
| | ul. Piotrowo 5 60-965 Poznań Prerequisites in terms of knowledge, skills and social competencies: | | | | |
| 1 Knowledge K | nowledge about Excel, level int | ermediate. | | | |
| 2 Skills A | bility to work with personal com | puter, including Excel. | | | |
| 3 Social competencies | Awareness of the need to continually update and supplement one's knowledge and skills. | | | | |
| Assumptions and objectives of the course: Familiarize students with advanced Excel, in particular with the VBA addition. | | | | | |
| Study outcome | es and reference to the | educational results for | a field of study | | |
| Knowledge: | | | - | | |
| Student has basic programmi | ing skills concerning Visual Bas | sic - [K_W07] | | | |
| Student knows how to create and use macros in Excel - [K_W07] | | | | | |
| 3. Student knows how to create and use interactive formants - [K_W07] | | | | | |
| 4. Students knows the basics of | f programming in VBA extension | n for Excel - [K_W07] | | | |
| Skills: | | | | | |
| 1. Basic programming skills in Visual Basic - [K_U02, K_U07, K_U09] | | | | | |
| 2. The student can write user fu | | | | | |
| 3. Student is able to create form | ns and interactive elements in E | xcei spreadsheet - [K_U02, K_ | _UU7, K_UU9] | | |
| Social competencies: 1. The student is aware of the vision of the visio | value of information and knowled | dao [[K KO7] | | | |

Assessment methods of study outcomes

Podstawowy sposób sprawdzania efektów kształcenia: w ramach wykładu sprawdzian pisemny - test wielokrotnego wyboru przeprowadzany na ostatnich zajęciach, w ramach ćwiczeń laboratoryjnych ? kolokwium na ostatnich zajęciach.

Course description

Basic method for checking the effects of education: (lecture) multiple choice test performed on the last class, (laboratory exercises) ability test performed on the last class.

Basic bibliography:

- 1. John Walkenbach, Excel 2013 PL. Programowanie w VBA dla bystrzaków. Wydawnictwo Helion.
- 2. John Walkenbach, Excel 2013 PL. Programowanie w VBA. Vademecum Walkenbacha. Wydawnictwo Helion.

Additional bibliography:

Result of average student's workload

| Activity | Time (working hours) |
|---------------------------------------|----------------------|
| 1. Lectures | 15 |
| 2. Laboratory classes | 15 |
| 3. Preparation for laboratory classes | 10 |
| 4. Preparation for final tests | 5 |

Student's workload

| Source of workload | hours | ECTS | | |
|----------------------|-------|------|--|--|
| Total workload | 45 | 3 | | |
| Contact hours | 30 | 3 | | |
| Practical activities | 15 | 1 | | |