STUDY MODULE DESCRIPTION FORM

Name of the module/subject **German Language**		Code **1010101251010910534**
Field of study **Environmental Engineering First-cycle Studies**	Profile of study (general academic, practical) **general academic**	Year /Semester **3 / 5**
Elective path/specialty **-**	Subject offered in: **German**	Course (compulsory, elective) **elective**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **full-time**	
No. of hours Lecture: **-** Classes: **30** Laboratory: **-** Project/seminars: **-**		No. of credits **3**
Status of the course in the study program (Basic, major, other) **other**	(university-wide, from another field) **university-wide**	
Education areas and fields of science and art **technical sciences**		ECTS distribution (number and %) **3 100%**

Responsible for subject / lecturer:

mgr Ewa Kapałczyńska
email: ewa.kapalczynska@put.poznan.pl
tel. 61 6652792
Inter-Faculty Units
ul. Piotrowo 3a, 60-965 Poznań

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	The already acquired language competence compatible with level B1 (CEFR)
2	**Skills**	The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills
3	**Social competencies**	The ability to work individually and in a group; the ability to use various sources of information and reference works.

Assumptions and objectives of the course:

1.Advancing students? language competence towards at least level B2 (CEFR).

2.Development of the ability to use academic and field specific language effectively in both receptive and productive language skills.

3.Improving the ability to understand field specific texts (familiarizing students with basic translation techniques).

4.Improving the ability to function effectively on an international market and on a daily basis.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Roofs - [K_W01, K_W02, K_W05]

2. Roof tiles - [K_W01, K_W02, K_W05]

3. Heating, heat acquisition - [K_W01, K_W02, K_W05]

Skills:

1. As a result of the course, the student is able to give a talk on field specific or popular science topic (in German) - [K_U02, K_U03, K_U04, K_U06]

2. The student is able to express basic mathematical formulas and to interpret data presented on graphs/diagrams - [K_U02, K_U03, K_U04, K_U06]

3. The student is able to discuss general and field specific issues using an appropriate linguistic and grammatical repertoire - [K_U02, K_U03, K_U04, K_U06]

4. The student is able to formulate a text in German where he/she explains/describes a selected field specific topic - [K_U02, K_U03, K_U04, K_U06]

Social competencies:

1. As a result of the course, the student is able to communicate effectively in a field specific/professional area, and to give a successful presentation in German - [K_K01,K_K03, K_K07]
2. The student is able to recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment - [K_K01,K_K03, K_K07]

Assessment methods of study outcomes
-Formative assessment: tests during academic year (written and oral, MT,) presentations
-Summative assessment: credit (written and oral)
To obtain a positive assessment the student is obliged to pass the material covered by the program with at least 50%.

Course description
-Constructions of roofs
-Roofs and their types, roof tiles
-Solar devices, construction and working

Basic bibliography:

1. Targosz, E.: Energiesparendes und umweltfreundliches Bauen, Wyd. Politechniki Krakowskiej, Kraków 2017
2. Targosz, E.: Angst vor Fachtexten, Wyd. Politechniki Krakowskiej, Kraków 2005

Additional bibliography:

1. Olejnik, H.: Deutsch für technische Berufe, Wyd. Politechniki Gdańskiej, Gdańsk 2005
2. Ratajczak, M./Kuch, M.: Język niemiecki zawodowy w budownictwie, WSiP, Warszawa 2013
3. Matuszak, E./Tomaszczyk, A.: Deutsch für Profis-branża budowlana, LektorKlett, Poznań 2013
4. Zettel, E./Janssen, J./Müer, H.: Aus moderner Technik und Naturwissenschaft, Hueber, Berlin 2003
5. Steinmetz, M./Dintera, H.: Deutsch für Ingenieure, Springer Vieweg, Wiesbaden 2014
6. Literatura fachowa (zasoby on-line)

Result of average student's workload

Activity	Time (working hours)
1. Participation in exercises (contact hours)	30
2. Preparation for passing the exercises (independent work)	35
3. Preparation for exercises (independent work)	20
4. Additional own work, literature study (independent work)	10

Student's workload

Source of workload	hours	ECTS
Total workload	60	3
Contact hours	30	2
Practical activities	30	1