

SYLLABUS

1. Program information

1.1 Higher education institution	Technical University of Cluj-Napoca
1.2 Faculty	Faculty of Electronics, Telecommunications and Information Technology
1.3 Department	Bases of Electronics
1.4 Field of study	Electronic engineering, telecommunications and information technologies
1.5 Cycle of study	Bachelor of Science
1.6 Study program / Qualification	Electronic engineering, telecommunications and information technologies/ Engineer
1.7 Form of education	IF – full-time education

2. Course information

2.1 Course title	German language 1	Course code	14.30
2.2 Course coordinator	<i>teaching rank, title First name Last name - Email address</i>		
2.3 Seminar/ laboratory/ project/ practical activity coordinator	Lect. dr. Mona Tripon, Mona.Tripon@lang.utcluj.ro		
2.4 Year of study	I	2.5 Semester	1
		2.6 Type of assessment	V
2.7 Course status	Formative category		DC
	Optionality		DOP

3. Estimated total time

3.1 Hours per week	3	of which:	3.2 Lecture	2	3.3 Seminar	1	3.3 Laboratory	0	3.3 Project	0	3.3 Practical training	0
3.4 Hours per semester	42	of which:	3.5 Lecture	28	3.6 Seminar	14	3.6 Laboratory	0	3.6 Project	0	3.3 Practical training	0
3.7 Time distribution (hours per semester) for individual study and assessment:												
(a) Assessment											2	
(b) Study using textbook, course materials, bibliography, and notes											2	
(c) Additional documentation in the library, on specialized electronic platforms, and in the field												
(d) Preparation for seminars/laboratories, assignments, reports, portfolios and essays											4	
(e) Tutoring												
(f) Other activities												
3.8 Total hours of individual study and assessment (sum of (3.7(a))...3.7(f))								8				
3.9 Total hours per semester (3.4+3.8)								50				
3.10 Number of credits								2.0				

4. Prerequisites (where applicable)

4.1 curriculum	
4.2 competencies	Minimum level A2, according to the Common European Framework of Reference for Languages and the European Language Portfolio.

5. Requirements (where applicable)

5.1. for the development of the lecture	A classroom equipped with the necessary equipment to display course materials and student projects/presentations; internet connection.
5.2. for the development of the seminar/ laboratory/ project	Review of assignments for independent study. Attendance at the seminar.

6. Specific competencies acquired

Professional competencies	CP1 Using German to understand and produce oral and written messages in professional and academic contexts specific to the field of study. CP2 Analyzing, interpreting, and drafting technical and scientific documents using linguistic structures and terminology specific to professional communication. CP3 Presenting and justifying technical information in a clear, coherent, and appropriate manner for the audience, in accordance with the norms of professional communication.
Transversal competencies	CT1 Effective use of communication and collaboration strategies in individual and team activities. CT2 Demonstrating responsibility and thoroughness in drafting and presenting professional information. CT3 Identifying opportunities for continuing education and effectively utilizing information sources, communication resources, and guided professional training—both in Romanian and in an internationally used language—for one's own professional development.

7. Expected learning outcomes

Knowledge	Upon completion of the course, students will be familiar with: - the specific features of professional oral and written communication in German; - the characteristics of scientific and technical discourse; - the structure and functions of the main professional and technical documents; - the linguistic structures used to define, classify, describe, compare, argue, and explain technical processes;
Skills	Upon completion of the course, the student will be able to: - understand authentic technical and professional documents; - extract and synthesize relevant information from specialized texts; - write simple professional and technical texts (descriptions, explanations, presentations); - describe the operation of certain devices and technological processes using appropriate terminology; - present technical information

Responsibility and autonomy	The student: • uses information sources and specialized terminology responsibly and independently; • adheres to the conventions of professional communication; • adapts their speech according to the purpose of the communication and the audience; • self-assesses and improves their communication skills in French; • practices logical reasoning, evaluation, and self-assessment in decision-making; • communicates effectively about engineering activities to a wide range of audiences; • applies the ethical and professional values of the engineering profession; • works effectively as a team member or team leader; • promotes dialogue, cooperation, respect for others, and intercultural understanding; • is committed to lifelong learning to acquire and apply knowledge as needed, using appropriate learning strategies.
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8. Course objectives (based on the grid of specific competencies acquired)

8.1 General objective of the course	To develop students' skills in comprehending, analyzing, and producing scientific and technical discourse in German by familiarizing them with the characteristics of professional communication, the specific structures of written texts, and the terminology used in their field of study.
8.2 Specific objectives	• Identifying the distinctive features of professional oral and written communication; • Identifying the characteristics of scientific and technical discourse; • Applying the writing conventions specific to professional communication; • Using linguistic structures specific to defining, classifying, describing, comparing, and explaining processes; • Identifying the mechanisms of technical vocabulary formation; • Using basic terminology in the field of study; • Interpreting and describing information presented through formulas, tables, graphs, and diagrams.

9. Contents

9.1 Lecture	No. of hours	Teaching methods	Remarks
Communication in a professional context. Differences between oral and written communication.	2	Interactive teaching, teaching using digital and multimedia technologies, individual/group work,	Exercises and assignments are selected based on the skill level appropriate
2. Introduction to written communication: writing styles. Types of technical documents.	2		
3. The specific nature of scientific and technical discourse. Specialized vocabulary.	2		
4. Grammar and punctuation rules specific to scientific and technical discourse.	2		
5. Sentences and paragraphs. Types of sentences. Main elements of a paragraph.	2		

9.1 Lecture	No. of hours	Teaching methods	Remarks
6. Stylistic elements in technical writing.	2	individual/group projects	for the group
7. Text readability. Coherence and conciseness.	2		
8. Discourse acts specific to technical writing: definition, classification, and examples.	2		
9. Discourse acts specific to technical writing: explanation, description of devices, and instructions for use.	2		
10. Discourse acts specific to technical writing: cause and effect, contrast and comparative evaluation, problem and solution.	2		
11. Techniques and stages in scientific text processing—summarizing, developing, and expanding.	2		
12. Verbalizing units of measurement, equations, symbols, and visual aids such as graphs, diagrams, and tables.	2		
13. Ethical aspects of scientific writing. Citation, paraphrasing, and synthesis.	2		
Responsible use of AI as a useful tool in text composition.	2		
Bibliography - Dengler/Rusch/Schmitz/Sieber: Netzwerk A1-B1. Deutsch als Fremdsprache. Langenscheidt, 2014. - Fearns, A./Buhlmann R.: Technisches Deutsch für Ausbildung und Beruf. Lehr-und Arbeitsbuch. Verlag Europa-Lehrmittel, 2013. - Steinmetz, M./Dintera, H.: Deutsch für Ingenieure. Ein DaF – Lehrwerk für Studierende ingenieurwissenschaftlicher Fächer. Springer Vieweg, 2018. - Tripon, M.: Faszination Technik. Sprachtrainer Deutsch für Studenten technischer Universitäten. Editura Napoca Star, Cluj-Napoca, 2012			

9.2 Seminar /laboratory /project /practical training	No. of hours	Teaching methods	Remarks
1. Discoveries and inventions. The tradition of German inventors. Electrical and electronic devices.	2	Interactive teaching, teaching using digital and multimedia technologies	
2. Electronic data processing systems (EDV-Systeme). The computer and its components. The evolution of data processing systems.	2		
3. Laws of physics and modern technology.	2		
4. Energy and mobility	2		
5. Communication from biology to technology. Communication networks, satellites, and electronic communication via social media	2		
6. Future technologies and the environment	2		
7. Oral assessment	2		
1. Discoveries and inventions. The tradition of German inventors. Electrical and electronic devices.	2		
Bibliography - Dengler/Rusch/Schmitz/Sieber: Netzwerk A1-B1. Deutsch als Fremdsprache. Langenscheidt, 2014. - Fearns, A./Buhlmann R.: Technisches Deutsch für Ausbildung und Beruf. Lehr-und Arbeitsbuch. Verlag Europa-Lehrmittel, 2013. - Steinmetz, M./Dintera, H.: Deutsch für Ingenieure. Ein DaF – Lehrwerk für Studierende			

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ingenieurwissenschaftlicher Fächer. Springer Vieweg, 2018.			
4. Tripon, M.: Faszination Technik. Sprachtrainer Deutsch für Studenten technischer Universitäten. Editura Napoca Star, Cluj-Napoca, 2012			

10. Alignment of the course contents with the expectations of the epistemic community, professional associations, and representative employers in the field related to the program

The course content and the teaching-learning-assessment methods are aligned with the current requirements of the Electronics, Telecommunications, and Information Technology Engineering field, considering the expectations of the academic and professional community, representative employers, as well as the national quality assurance standards in higher education. The course helps prepare students in line with employer expectations and the quality requirements set for engineering study programs.

11. Assessment

Activity type	11.1 Assessment criteria	11.2 Assessment methods (and type of assessment: continuous/summative)	11.3 Weight in final grade
11.4 Lecture	Appropriate use of the theoretical concepts studied and technical vocabulary;	Summative Assessment:	60%
11.5 Seminar/Laboratory/Project /Practical activity	Grammatical, lexical, and discursive accuracy.	Written test	40%
11.6 Minimum performance standard Achieve at least 50% of the points available for each component of the exam (lecture and seminar).			

Completion date:	Course coordinators	teaching rank, title First name LAST NAME	Signature
23.06.2026	Lecture	Lect.dr. Mona TRIPON	
	Applications		

Approval of the Head of the Department coordinating the course, only if this differs from the department organizing the study program

Head of the Modern Languages and Communication Department
Assoc.prof. Ruxandra LITERAT, Ph.D.

Date of approval by the Council of the Department of
Bases of Electronics

26.06.2026

Date of approval by the Council of the Faculty of Electronics,
Telecommunications and Information Technology

30.06.2026

Head of the Bases of
Electronics Department
Prof. Sorin HINTEA, Ph.D.

Dean,
Prof. Ovidiu-Aurel POP, Ph.D.