SYLLABUS

1. Data about the program of study

1.1	Institution	Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Automotive, Mechatronics and Mechanical Engineering
1.3	Department	Department of Mechatronics and Machine Dynamics
1.4	Field of study	Mechatronics and Robotics
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Mechatronics
1.7	Form of education	Full time

2. Data about the subject

2.1	Subject name			***Modern Languages 2***		Subject code	**17.00**
2.2	Course responsible/lecturer			-			
2.3	Teachers in charge of seminars			Lector dr. Cristina Măluţan, cristina.malutan@lang.utcluj.ro Asist.dr. Delia Georgeta Rusu, Delia.Rusu@lang.utcluj.ro CDA Anda Mădălina Sabou, anda.sabou@yahoo.com			
2.4 Year of study	1	2.5 Semester	2	2.6 Assessment			V
2.7 Subject category DID DOB	Formative category						DC
	Optionality						DOB

3. Estimated total time

3.1 Number of hours per week	2	of which	3.2 Course	-	3.3 Seminar	2	3.3 Laboratory	-	3.3 Project	-
3.4 Total hours in the curriculum	28	of which	3.5 Course	-	3.6 Seminar	28	3.6 Laboratory	-	3.6 Project	-

3.7 Individual study:	
(a) Manual, lecture material and notes, bibliography	8
(b) Supplementary study in the library, online and in the field	6
(c) Preparation for seminars/laboratory works, homework, reports, portfolios, essays	6
(d) Tutoring	-
(e) Exams and tests	2
(f) Other activities	-
3.8 Total hours of individual study (sum (3.7(a)...3.7(f)))	22
3.9 Total hours per semester (3.4+3.8)	50
3.10 Number of credit points	2

4. Pre-requisites (where appropriate)

4.1	Curriculum	-
4.2	Competence	-

5. Requirements (where appropriate)

5.1	For the course	-

5.2	For the applications	Seminar attendance is compulsory according to university regulations. Printed materials, computer, tablet, interactive whiteboard, internet (online or onsite as appropriate). In the case of online seminars, students are required to actively participate during live sessions, using one of the technical means at their disposal: microphone, video camera, live seminar chat application.

6. Specific competences

Professional competences	- Using the basic elements of scientific discourse (lexicon, linguistic and grammatical structures) - Application of grammar, format and conventions for writing technical documents in foreign languages. - Drafting, rephrasing, summarizing and synthesizing texts in technical formal style.
Cross competences	- Identifying the need for continuous training through the effective use of information sources, communication resources and assisted vocational training (Internet portals, specialized software applications, databases, online courses, etc.), as well as language skills specific to languages of international circulation.Appropriate use of effective lifelong learning methods and techniques

7. Expected learning outcomes

Knowledge	By the end of the semester, the student: - is familiar with basic terminology related to equipment, devices, materials, and simple mechanisms in a foreign language; - understands the grammatical structures used in describing operations, workplace safety, and technical procedures; - be familiar with safety rules and procedures, the expression of obligation and prohibition, as well as the sequential presentation of operations; - recognize cause-and-effect relationships and comparisons in technical communication; - identify the linguistic conventions specific to technical documents and discourse.
Skills	The student can: - appropriately use vocabulary and grammatical structures to describe simple technical equipment, mechanisms, and processes; - explain how a device works and formulate instructions or procedures in a foreign language; - describe and evaluate materials, forces, and technical solutions using specific terminology; - compare the characteristics of products or modes of transportation using degrees of comparison; - formulate suggestions and alternatives for solving basic technical problems; - participate in oral interactions on common technical topics.

Responsibility and autonomy	By the end of the course, the student: - demonstrates independence in analyzing and explaining the functioning of mechanisms and the stages of technological development in a foreign language; - critically and appropriately use information sources to describe equipment, inventions, and mechanisms in a foreign language; - actively and responsibly participate in practical exercises, presenting information clearly, coherently, and linguistically correctly.

8. Discipline objectives (as results from the *key competences gained*)

8.1	General objective	- Developing linguistic and communicative competences in a foreign language in professional situations.
8.2	Specific objectives	- Assimilation of the basic lexicon in the fields of interest and related areas of mechanical engineering. - Effective use of language and communication skills in foreign language.

9. Contents

9.1. Lecture (syllabus)	Number of hours	Teaching methods	Notes
1. -	-	-	-
Bibliography -			
9.2. Seminars /**Laboratory**/Project	Number of hours	Teaching methods	Notes
1.Types of equipment, devices, other specific components: names and general concepts.	2	Communication and interactive strategies; integrated skills: - presentation of new content (lexis, grammar); - text exploitation; - fixing through exercises; - listening to recorded material; - conversation, monologue.	
2. Definition and expression of the operation or use of devices/equipment. Relative-attributive sentence	2		
3. Safety at work: hazards, warnings, work protection measures.	2		
4. Emergency procedures. Imperative. Expressing obligation and prohibition.	2		
5. Fire evacuation procedure: expressing the sequence of steps in a procedure.	2		
6. Indication of the location, spatial arrangement, component parts of a mechanism. Preposition of place. Adverbs and adverbial expressions of place.	2		
7. Cause and effect. Technical problems and their solutions. Modes and expressions for formulating suggestions and alternatives.	2		
8. Materials and forces. Description of attributes, advantages, disadvantages of	2		

products/materials/equipment. Attributive adjective and noun: specificities according to the foreign language**.**			
9. Description of simple mechanisms: pulleys, levers, other devices	2		
10. Demonstration of the operation of a simple mechanism (scissors, pulleys, etc.) and description of the events in real time.	2		
11. Technological development. Evaluation of previous stages, description of past events.	2		
12. Tools, mechanisms, famous mechanical inventions and inventors.	2		
13. Classification and classes of objects: means of transportation and comparing their characteristics. Adjective and adverb degrees of comparison	2		
14. Final test.	2		

Bibliografie:

1. E.H. Glendinning, A. Pohl, *Technology 1,2 - Oxford English for Careers*, Student's Book.
2. R. Literat, *Work with words, work with meanings*, UTPress, 2016.
3. F. Codreanu, *English for Mechanical, Electrical and Medical Engineering Students*, Cluj-Napoca, U.T. Press, 2015.
4. S. Munteanu, *Read Science*!, Cluj-Napoca, UTPress.
5. *Aspects of English Grammar in Technical Contexts*, U.T. Press, Cluj-Napoca, 2015.
6. M. Kavanagh, *English for the Automobile Industry.*
7. E.H. Glendinning, N. Glendinning, *Oxford English for Electrical and Mechanical Engineering*.
8. C. Tesculã-Bulgaru, *Le français de la technique: lexique, grammaire et structures du discours*, Cluj-Napoca, UTPRES, 2005.
9. C.-H. Dumon, J.-P. Vermes, *Le CV, la lettre et l'entretien*, Paris, Eyrolles, 2006.
10. E. Cloose, *Le français du monde du travail*, Grenoble, PUG, 2009.
11. C. Carras, O. Gerwirtz, J. Tolas, *Réussir ses études d'ingénieur en français*, Grenoble, PUG, 2014.
12. R. Barthes, B. Chavelon, *Je parle, je pratique le français*, PUG, 2005.
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14. T. Schoenherr, *Tangram A/B – Deutsch als Fremdsprache*, Max Hueber Verlag, D-85737 Ismaning, 2002.
15. W. Klatt, *Comunicați în limba germanã*, București, Teora, 2002.
16. Maria Steinmetz Heiner Dintera, Deutsch für Ingenieure *Ein DaF-Lehrwerk für Studierende ingenieurwissenschaftlicher Fächer,* Springer Fachmedien Wiesbaden, 2014.
17. Dengler, Rusch, Schmitz, Sieber, *Netzwerk, Deutsch als Fremdsprache, Kurs- und Arbeitsbuch,* Klett Langenscheidt, 2011, Berlin.
18. Hans Földeak, *Sag's besser, Teil 1,* Hueber Verlag, 2011.
19. Rusch, Schmitz, *Einfach Grammatik-Übungsgrammatik A1-bis B1,* Klett Langenscheidt, Berlin, 2007.

10. Bridging course contents with the expectations of the representatives of the community, professional associations and employers in the field

The contents of the seminars familiarize students with the expression of basic linguistic functions present in foreign language communication in the context of technical occupations. The seminars emphasize the specificity of the use of certain common structures in specialized foreign language communication.

11. Evaluation

Activity type	11.1 Assessment criteria	11.2 Assessment methods	11.3 Weight in the final grade
11.4 Course	-	-	-
11.5 Seminars /Laboratory/Project	Completion of work tasks for the written test, taking a conversation or monologue, seminar work.	Written test Oral assessment On-the-job activity	S=30%, O=40%, A=30%.
11.6 Minimum standard of performance			
Written test (S), Oral assessment (O), Ongoing activity (A). 50 % of the assessment criteria met			

Date of filling in:	**Responsible**	**Title Surname Name**	**Signature**
11.05.2026	Courses	-	
	Applications	Lector dr. Cristina Măluţan Asist.dr. Delia Georgeta Rusu	
		CDA Anda Mădălina Sabou	

Approval from the Head of the Department coordinating the course, only if this is different from the department organizing the study program.	Head of Department Conf.Dr. Ruxandra Literat

Date of approval in the Department of Mechatronics and Machine Dynamics 28..05.2026	Head of Department Prof.dr.eng. Mircea Bara
Date of approval in the Faculty of Automotive, Mechatronics and Mechanical Engineering 16.09.2026	Dean Prof.dr.eng. Nicolae Filip