

SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Automation and Computer Science
1.3	Department	Automation
1.4	Field of study	Automation
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Engineer
1.7	Form of education	Full time
1.8	Subject code	

2. Data about the subject

2.1	Subject name	Foreign languages								
2.2	Subject area	CT2								
2.3	Course responsible/lecturer	-								
2.4	Teachers in charge of seminars	Asist.dr. Cecilia Policsek cecilia.policsek@lang.utcluj.ro								
2.5	Year of study		2.6	Semester	2.7	Assessment	Continuous assessment CA	2.8	Subject category	DOB
	1		1							

3. Estimated total time

3.1	Number of hours per week	2	3.2	of which, course		3.3	applications	
3.4	Total hours in the teaching plan	50	3.5	of which, course		3.6	applications	
Individual study								Hours
Manual, lecture material and notes, bibliography								8
Supplementary study in the library, online and in the field								4
Preparation for seminars/laboratory works, homework, reports, portfolios, essays								8
Tutoring								
Exams and tests								4
Other activities								
3.7	Total hours of individual study			22				
3.8	Total hours per semester			50				
3.9	Number of credit points			2				

4. Pre-requisites (where appropriate)

4.1	Curriculum	B1/B2 according to the Common European Framework for Languages
4.2	Competence	Team work

5. Requirements (where appropriate)

5.1	For the course	N/A
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5.2	For the applications	Seminar attendance compulsory
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6. Specific competences

Professional competences	<ul style="list-style-type: none"> - Identification of distinctive features of the foreign language for specific purposes - Use of basic elements in the science discourse (lexis, linguistic and grammar structures).
Cross competence	Identification of roles and responsibilities in a multi-specialised team, decision making, task distribution, implementation of communication and relationship techniques, within the team, while using a foreign language.

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

7.1	General objective	Development of communicative competence in an engineering professional context
7.2	Specific objectives	<ul style="list-style-type: none"> - Mastering basic vocabulary and language structures typical of sciences studied - Development of the skill of writing short technical texts

8. Contents

8.1. Lecture (syllabus)		Teaching methods	Notes
8.2. Applications/Seminars)		Teaching methods	Notes
1	Introduction to languages for specific purposes	Conversation, improving the reading, writing, speaking, listening skills, working in pairs and groups	
2	Mathematics. Algebraic Formulae		
3	Geometry. Shapes and dimensions		
4	Infrastructure and manufacturing processes. Process description		
5	Safety norms.		
6	Writing instructions. Warnings. User guides		
7	Description of devices. Sensors		
8	Location. Calculi and measurements		
9	Properties of materials. Description		
10	Forces and their laws.		
11	Cause and effect, Discourse markers.		
12	Green technologies. Design and project evaluation		
13	Domotics and automation in everyday life. Description of an operation		
14	Final test		

Bibliography

1. Munteanu, S-C. (2004) *Reading skills For Engineering Students*, UTPress, Cluj-Napoca.
2. Granescu, M. et. al. *Students' Grammar Of English*, UTPress, Cluj-Napoca, 2001.
3. Bonamy, D. *Technical English 1-2*, Longman, London

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

Mastering a foreign language will help students in a more flexible integration in the labour market, and have improved personal development. The introduction in the language for specific purposes will facilitate reading more documents in the field of study.

10. Evaluation

Activity type	10.1	Assessment criteria	10.2	Assessment methods	10.3	Weight in the final grade
Course						
Applications		Assignments and tests are corrected and marked if submitted in due time. The undergraduate will be allowed to sit in the final test if he/she attends seminars in a proportion of 80% of the time.		Written test, Oral test		100%.

10.4 Minimum standard of performance

The undergraduate will be allowed to sit in the final test, if he/she attends seminars in a proportion of 80% of the time.

Final score: attendance= 1pct, written test =5 pct, oral test =4 pct.

Pass score is received if 60 % of both tests is produced by the undergraduate.

Date of filling in
Oct .2016

Teachers in charge of seminars
Lect.dr. Cecilia Policsek

Date of approval in the department
Oct .2016

Head of department
Assoc. Prof. dr. Ruxanda Literat

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3. Estimated total time

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5. Requirements (where appropriate)

5.1	For the course	N/A
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5.2	For the applications	Seminar attendance compulsory
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6. Specific competences

Professional competences	<ul style="list-style-type: none"> -In-depth knowledge of distinctive features of the languages for specific purposes - Use of basic elements in the science discourse for an effective oral and written presentation
Cross competence	<ul style="list-style-type: none"> - Mastering conventions for oral communication in professional contexts - Design, writing and presentation of a document written for academic and/or professional context

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

7.1	General objective	Development of communicative competence in an engineering professional context
7.2	Specific objectives	<ul style="list-style-type: none"> - Mastering basic vocabulary and language structures typical of sciences studied - Development of the skill of writing short technical texts and of presenting them

8. Contents

8.1. Lecture (syllabus)		Teaching methods	Notes
8.2. Applications/Seminars		Teaching methods	Notes
1	Engineering and automation.	Conversation, improving the reading, writing, speaking, listening skills, working in pairs and groups	
2	Microelectronics and nanotechnology		
3	Computers in industry		
4	Design of products. Definition		
5	Procedures		
6	Systems of communication		
7	Monitoring		
8	Types of networks, The Internet		
9	Engineers and managers		
10	The responsibilities of the manager		
11	Companies		
12	Organisations and their culture		
13	Final test		
14	Final test		
Bibliography			

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Date of filling in
January 2016

Teachers in charge of seminars
Asist.dr. Cecilia Policsek
cecilia.policsek@lang.utcluj.ro

Date of approval in the department
Oct .2014

Head of department
Assoc. Prof. dr. Monica Ioani