SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Automation and Computers
1.3	Department	Automation
1.4	Field of study	System Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Automation and Applied Informatics/BsC
1.7	Form of education	Full time
1.8	Subject code	59.00

2. Data about the subject

2.1	Subject name			Practical work for the graduation project			
2.2	Subject area			Practical work for the graduation project			
2.3	Course responsible/lecturer			Diploma supervisor			
2.4	Teachers in charge of seminars						
2.5 Year of study	4	2.6 Semester	2	2.7 Assessment	A/R	2.8 Subject category	DS/DI

3. Estimated total time

3.1 Number of hours per week	5	3.2 of which, course:	0	3.3 applications:	5
3.4 Total hours in the curriculum	70	3.5 of which, course:	0	3.6 applications:	70
Individual study					hours
Manual, lecture material and notes, bibliography					0
Supplementary study in the library, online and in the field					0
Preparation for seminars/laboratory works, homework, reports, portfolios, essays					0
Tutoring					0
Exams and tests					0
Other activities					30

3.7	Total hours of individual study	30
3.8	Total hours per semester	100
3.9	Number of credit points	4

4. Pre-requisites (where appropriate)

4.1	Curriculum	Workng in the diploma field in companies
4.2	Competence	Industrial research and design skills

5. Requirements (where appropriate)

5.1	For the course	N/A
5.2	For the applications	The presence is mandatory.

6. Specific competences

Professional competences	**C5** Development and implementation of automatic control structures and algorithms based on project management principles, software environments and technologies based on microcontrollers, signal processors, programmable logic controllers and embedded systems. **C6** Applying the knowledge related to law, economy marketing, business, and quality assurance in business and managerial contexts.
Cross competences	**N/A**

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

7.1	General objective	• practical application of theoretical knowledge acquired • working in industrial environment • job orientation
7.2	Specific objectives	• increasing research skills • developing collaborative capacity

8. Contents

8.2. Applications/Seminars		Teaching methods	Notes
1.	Research and design activities in companies	supervisory and guidance by the designated staff to the practice partner	

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

N/A

10. Evaluation

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the

			final grade
Course	N/A	N/A	0%
Applications	Practice notebook	Practical exam	100%
10.4 Minimum standard of performance			
Supervisor permission practical exam grade A			

Date of filling in

Teachers in charge of seminars

Date of approval by the Department Board ……..

Head of Departament .....
Prof.dr.ing. Honoriu VĂLEAN

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Date of approval by the Faculty Council ……

Dean
Prof.dr.ing. Liviu Cristian MICLEA

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