

SYLLABUS¹

1. Information about the Program

1.1 Higher education institution	Politehnica University of Timișoara
1.2 Faculty ² / Department ³	Automation and Computers/ Computers
1.3 Chair	-
1.4 Domain of study	Computers and Information Technology
1.5 Study level	Bachelor
1.6 Study programme / Qualification	Computers / engineer

2. Information about the Course

2.1 Course	Applied Activities						
2.2 Lecturer	dr. Doru Todinca						
2.3 Academic staff for seminars/labs	dr. Cosmin Cernazanu-Glavan						
2.4 Study year	3	2.5 Semester	2	2.6 Assessment type	C	2.7 Course type	Mandatory

3. Total time estimated (hours/ semester of didactical activities)

3.1 Hours / week		of which:	3.2 lecture hours		3.3 seminar/lab hours	
3.4 Total curriculum hours	180	of which:	3.5 lecture hours		3.6 seminar/lab hours	180
Time distribution						Hours
Study using manuals, support materials, bibliography and notes						
Supplementary documentation in library, speciality electronic platforms and on site						
Supplementary preparation for seminars/labs, homeworks, reviews, portfolios and essays						
Tutoring activities						
Exams						
Other						
					3.7 Total - hours of individual study	0
					3.8 Total - hours per semester	180
					a. Credits	6

4. Prerequisites (if appropriate)

4.1 curriculum	<ul style="list-style-type: none"> Computer Programming, Digital Logic, Computer Architectures, Computer Organization, Computer Networks, Object Oriented Programming
4.2 competencies	<ul style="list-style-type: none"> Working with foundational concepts of the sciences, engineering, and computer science

5. Conditions (if appropriate)

5.1 for lectures	•
5.2 for seminars/labs	•

6. Specific competencies acquired

Professional competencies ⁴	<ul style="list-style-type: none"> Working with foundational concepts of the sciences, engineering, and computer science
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¹ Formularul corespunde Fișei Disciplinei promovată prin OMECTS 5703/18.12.2011 (Anexa3);

² Se înscrie numele facultății care gestionează programul de studiu căruia îi aparține disciplina;

³ Se înscrie numele departamentului căruia i-a fost încredințată susținerea disciplinei și de care aparține titularul cursului;

⁴ Aspectul competențelor profesionale va fi tratat cf. Metodologiei OMECTS 5703/18.12.2011. Se vor prelua competențele care sunt precizate în Registrul Național al Calificărilor din Învățământul Superior RNCIS

- The students have, in general, good theoretical knowledge, including computer programming and hardware, but do not have experience in working in an industrial environment, on projects realized in companies.
- The employers can verify not only the theoretical knowledge and practical skills of the students, but also how the students integrate in a team, in an industrial environment.

10. Assessment

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in final mark
10.5 Seminar /labs	Realizing the technical documentation of the project	Oral colloquium	70%
	Answering questions about the practical activities	Oral colloquium	30%
10.6 Minimal performance standards (minimal specific knowledge required for passing the exam, the means to assess mastering the specific knowledge)			

11. International compatibility

1. INSA Lyon, France
2. University of Ottawa, Canada
3. Carlton University, Canada

Date

Signature of the course instructor

Signatures of the academic staff for seminars/labs

30.10.2015

dr. Doru Todinca

dr. Cosmin Cernazanu-Glavan

Date of approval in the Department

Signature of the Department Director

prof. dr. ing. Vladimir Crețu