

# SYLLABUS<sup>1</sup>

## 1. Information about the Program

1.1 Higher education institution	Politehnica University of Timișoara
1.2 Faculty <sup>2</sup> / Department <sup>3</sup>	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	1	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	60	of which:	3.5 lecture hours		3.6 seminar/lab hours	60
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						
					<b>3.7 Total - hours of individual study</b>	0
					<b>3.8 Total - hours per semester</b>	60
					<b>a. Credits</b>	2

## 4. Prerequisites (if appropriate)

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

## 5. Conditions (if appropriate)

5.1 for lectures	•
5.2 for seminars/labs	•

## 6. Specific competencies acquired

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

<sup>2</sup> Se înscrie numele facultății care gestionează programul de studiu căruia îi aparține disciplina;

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

<sup>4</sup> 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