

**SYLLABUS / FIȘA DISCIPLINEI**
**1. Information on the study programme / Date despre programul de studii**

1.1. Institution / Instituția de învățământ superior	Universitatea de Vest din Timișoara
1.2. Faculty / Facultatea	Matematică și Informatică
1.3. Department / Departamentul	Computer Science (Informatică)
1.4. Study program field	Computer Science (Informatică)
1.5. Study cycle/ Ciclul de studii	Bachelor / licență
1.6. Study programme / Programul de studii / calificarea*	Computer Science / Informatică în limba engleză / <i>Computer network administration / Administrator de rețea de calculatoare - 252301; Analyst / Analist - 251201; Research assistant in computer science / Asistent de cercetare în informatică - 214918; Teacher in secondary schools / Profesor în învățământul gimnazial - 233002; Programmer / Programator - 251202; Software systems designers / Proiectant sisteme informatice - 251101</i>

**2. Information on the course / Date despre disciplină**

2.1. Title of the course / Denumirea disciplinei		Methodology for Writing the BSc Thesis					
2.2. Teacher in charge of the course / Titularul activităților de curs							
2.3. Teacher in charge of the seminar / Titularul activităților de seminar		Madalina Erascu					
2.4. Study year / Anul de studii	3	2.5. Semester / Semestrul	1	2.6. Examination type / Tipul de evaluare: E(xam)/C(olloquim)	C	2.7. Course type / Regimul disciplinei: M(andatory)/ E(lective)/ F(acultative)	M

**3. Estimated study time (number of hours per semester) /Timpul total estimat (ore pe semestru al activităților didactice)**

3.1. Attendance hours per week / Număr de ore pe săptămână	2	out of which din care: 3.2 lecture/ curs	0	3.3. seminar/laborator	2
3.4. Attendance hours per semester / Total ore din planul de învățământ	28	out of which: 3.5 lecture / curs	0	3.6. seminar/laborator	28
<b>Distribution of the allocated amount of time / Distribuția fondului de timp*</b>					<b>hours/ore</b>
Individual study /Studiu după manual, suport de curs, bibliografie și notițe					7
Supplementary documentation at library or using electronic repositories / Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate					14
Preparing for laboratories, homework, reports etc. /Pregătire seminarii/laboratoare, teme, referate, portofolii și eseuri					21
Exams / Examinări					7
Tutoring / Tutorat					7

3.7. Total number of hours of individual study / Total ore studiu individual	56
3.8. Total number of hours per semester / Total ore pe semestru	84
3.9. Number of credits (ECTS) / Număr de credite	3

**4. Prerequisites (if it is the case) / Precondiții (acolo unde e cazul)**

4.1. curriculum / de curriculum	
4.2. skills / de competențe	Self-discipline, planning and finding documentation ability

**5. Requirements (if it is the case) / Condiții (acolo unde e cazul)**

5.1. for the lecture / de desfășurare a cursului	
5.2. for the seminar, laboratory / de desfășurare a seminarului/laboratorului	Variant face-to-face: room with video projector; personal computer with internet connection Variant online: personal computer with functional webcam, microphone and internet connection

**6. Acquired skills / Competențe specifice acumulate**

Professional skills / Competențe profesionale	<ul style="list-style-type: none"> <li>The ability to write a bachelor thesis in Computer Science</li> </ul>
Transversal skills / Competențe transversale	<ul style="list-style-type: none"> <li>The ability to search and collect data of interest from different sources</li> <li>The ability to create a structured document</li> <li>The ability to create references and cite correctly bibliographic items</li> <li>The ability to go structure and give presentation</li> </ul>

**7. Objectives of the course / Obiectivele disciplinei (reieșind din grila competențelor specifice acumulate)**

7.1. General objective / Obiectivul general al disciplinei	<ul style="list-style-type: none"> <li>Acquire skills in creating and presenting a bachelor thesis in computer science</li> </ul>
7.2. Specific objectives / Obiectivele specifice	<ul style="list-style-type: none"> <li>Acquire skills in identifying and using relevant resources</li> <li>Acquire skills in using Latex templates</li> <li>Acquire skills in designing and creating thesis content</li> </ul>

**8. Content / Conținuturi\***

8.1. Lecture / Curs	Teaching strategies / Metode de predare	Remarks, details / Observații
Recommended bibliography / Bibliografie		
8.2. Seminar, lab / Seminar, laborator	Teaching / learning strategies / Metode de predare / învățare	Remarks, details / Observații
Week 1-2. Organizational matters via classroom (timetable and syllabus). How to write papers.	Presentation, Dialogue	Communication will be done via Google Classroom. Code to be handed in by email at the

		beginning of the semester.
Week 3-4. Software Engineering refresher (requirements, use case diagram, architecture types, GUI prototyping, component diagram, state diagram, workflow diagram)	Same as above	Same as above
Week 5-6. Discussions related to Assignment 2.	Same as above	Same as above
Week 7. How to give talks	Same as above	Same as above
Week 8-10 Feedback on Assignment 2; Discussions related to Assignment 3.	Same as above	Same as above
Week 11-12 Feedback on Assignment 3; Discussions related to Assignment 4.	Same as above	Same as above
Week 13-14. Evaluation (Individual presentations)	Same as above	Same as above
<b>Recommended bibliography / Bibliografie</b> <ol style="list-style-type: none"> <li>1. Course specific resources from - <a href="https://merascu.github.io/links/projects.html">https://merascu.github.io/links/projects.html</a></li> <li>2. <a href="https://www.info.uvt.ro/lucrari-licenta/">https://www.info.uvt.ro/lucrari-licenta/</a></li> <li>3. <a href="https://sokogskriv.no/en/writing/">https://sokogskriv.no/en/writing/</a></li> <li>4. <a href="https://www.student.uwa.edu.au/data/assets/pdf_file/0007/1919239/How-to-write-a-thesis-A-working-guide.pdf">https://www.student.uwa.edu.au/data/assets/pdf_file/0007/1919239/How-to-write-a-thesis-A-working-guide.pdf</a></li> </ol>		

**9. Correlations between the content of the course and the requirements of the IT field / Coroborarea conținuturilor disciplinei cu așteptările reprezentanților comunității epistemice, asociațiilor profesionale și angajatorilor reprezentativi din domeniul aferent programului**

**10. Evaluation / Evaluare\***

Activity / Tip de activitate	10.1. Evaluation criteria / Criterii de evaluare**	10.2. Evaluation methods / Metode de evaluare***	10.3. Weight in the averaged mark / Pondere din nota finală
10.4. Lecture/Curs			
10.5. Seminar/lab	<b>Assignment 1, deadline week 3:</b> File containing thesis title + coordinator + short description of the thesis problem.	Conformity to the task specification	5%
	<b>Assignment 2, deadline week 7:</b> File containing sections/chapters about: thesis problem, related work/applications, technologies	Same as above	10%
	<b>Assignment 3, deadline week 10:</b> File containing sections/chapters on: requirements, use case diagram, architecture, GUI prototyping and	Same as above	20%

	suitable diagrams (component diagram, state diagram, workflow diagram. etc.)		
	<b>Assignment 4, deadline week 13-14:</b> Oral evaluation of the status of the thesis: 5 minutes presentation containing: header (antet) (1 slide); thesis content (1 slide); thesis problem (1-2 slides); current status of the solution (2-3 slides).	Same as above	15%
	Thesis coordinator grade proposal	The grade proposed by the coordinator of the bachelor's thesis based on: (1) The evaluation of the assignment submitted by the student (2) compliance with the program of meetings proposed by the coordinator and fulfillment of the proposed tasks	50%

**10.6. Minimal knowledge for passing / Standard minim de performanță**

Assignment 4 and Coordinator grade are mandatory.

All assignments must be done in Latex/Latex Beamer. Each assignment has to be sent via Google Classroom. At every assignment you must send the pdf and all Latex source files. Archives are not taken into consideration.

Before submitting each assignment, you must contact your thesis coordinator to approve it. Then he/she will confirm it on Google Classroom.

At the final presentation your coordinator will be invited.

If a deadline is missed, then this cannot be reconsidered.

Acquiring 5 points out of the maximum 10.

If grade  $\geq 4.5$  then the grade is 5, if grade  $\geq 5.5$  then the grade is 6, ... if grade  $\geq 9.5$  then grade is 10.

Date/ Data completării  
21.09.2020

Signature (lecture) /  
Semnătura titularului de curs

Signature (seminar)  
Semnătura titularului de seminar

Signature (director of the department)  
Semnătura directorului de departament