

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 / Protecțant sisteme informatice – 251101</i>

2. Information on the course / Date despre disciplină

2.1. Title of the course / Denumirea disciplinei	BSc Thesis Preparation						
2.2. Teacher in charge of the course / Titularul activităților de curs	N/A						
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	2	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	3	out of which din care: 3.2 lecture/ curs	0	3.3. seminar/laborator	3
3.4. Attendance hours per semester / Total ore din planul de învățământ	42	out of which: 3.5 lecture / curs	0	3.6. seminar/laborator	42
Distribution of the allocated amount of time / Distribuția fondului de timp*					hours/ ore
Individual study /Studiu după manual, suport de curs, bibliografie și notițe					20
Supplementary documentation at library or using electronic repositories / Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate					49
Preparing for laboratories, homework, reports etc. /Pregătire seminarilor/laboratoare, teme, referate, portofolii și eseuri					10
Exams / Examinări					2

Tutoring / Tutorat	2
3.7. Total number of hours of individual study / Total ore studiu individual	83
3.8. Total number of hours per semester / Total ore pe semestru	125
3.9. Number of credits (ECTS) / Număr de credite	5

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

4.1. curriculum / de curriculum	Methodology for Writing the BSc Thesis
4.2. skills / de competențe	Self-discipline, planning and the ability to do the job in time

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 whiteboard and video projector. Variant online: Laptop with internet connection; Google Meet and Google Classroom

6. Acquired skills / Competențe specifice acumulate

Professional skills / Competențe profesionale	<ul style="list-style-type: none"> The ability to write a scientific work (e.g. Bachelor thesis) in Computer Science The ability to present it
Transversal skills / Competențe transversale	<ul style="list-style-type: none"> The ability to search and collect data of interest from different sources and integrate them The ability to create a structured document The ability to create and present a project's achievements The ability to create an application, to document and prove its functionality

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

7.1. General objective / Obiectivul general al disciplinei	Acquire skills in creating and presenting a scientific work in Computer Science
7.2. Specific objectives / Obiectivele specifice	<ul style="list-style-type: none"> Acquire skills in identifying and using relevant resources Applying skills for creating Latex/Latex Beamer content Acquire skills in designing and developing an application Fulfilling qualitative indicators known in advance

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: Organizational matters, syllabus, etc.	Presentation, Dialogue	
Week 2 – 4: Final version of assignments from the first semester	Dialogue, Questioning	Individual discussions with all students
Week 5 – 10: Application /algorithm implementation	Dialogue, Questioning	At least two meetings with each student to discuss the progress of the thesis
Week 11 – 14:	Dialogue, Questioning	5-10 minutes presentation of the application/algorithm (1 support slide: title, coordinator, problem solved)
Recommended bibliography / Bibliografie		
1. Classroom resources from the section Resources		

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

The development of communication and abstraction skills through oral presentations.

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	N/A	N/A	N/A
10.5. Seminar/lab	<p><i>Assignment 1</i>, deadline Week 5</p> <p>The following should be uploaded on classroom (Latex format), division into chapters</p> <p>a) for scientific paper: Abstract (draft), Introduction (draft), Problem Description, Related Work, Solution (draft)</p> <p>b) for comparative study: Abstract (draft), Introduction (draft), problem description and the aim of the comparative analysis, related work, results/simulations (draft)</p>	Conformity to the task specification	10%

	c) for application oriented: Abstract (draft), Introduction (draft), Problem Description, Related Applications/Work, External Perspective		
	<i>Assignment 2</i> , deadline Week 11 The following should be uploaded on classroom (Latex format): thesis status according to the recommendations from the Guide, see https://www.info.uvt.ro/lucrari-licenta -> DOCUMENTE. Ghid elaborare lucrare de licenta - Informatică (EN)	Conformity to the task specification and the two discussions with the student during the semester	20%
	<i>Assignment 3</i> , deadline Week 14 The following should be uploaded on classroom (Latex Beamer format): thesis status	Conformity to the task specification	20%
	Thesis coordinator grade proposal, deadline Week 14	Collaboration with the supervisor during the entire semester	50%

10.6. Minimal knowledge for passing / Standard minim de performanță

Acquiring 5 points out of the maximum 10.

The final grade is computed as a weighted average of the grades given for the components specified in 10.5.

All assignments are mandatory with a grade of 5 each.

The absence of supervisor grade is considered exam absence.

For upgrading your grade, you can increase your grade at Assignment 3 and Thesis coordinator grade proposal.

At the reexamination only the Assignment 3 and Thesis coordinator grade proposal can be improved.

All the assignments should have the qualitative requirements as stated in the documents under <https://www.info.uvt.ro/lucrari-licenta> -> DOCUMENTE.

Date/ Data completării
21.01.21

Signature (lecture) /
Semnătura titularului de curs.

Signature (seminar)
Semnătura titularului de seminar

Semnătura directorului de departament

Signature (director of the department)

Lect. Dr. Flavia Micota