

## SYLLABUS

### 1. Information on the study programme

1.1. Higher education institution	West University of Timisoara
1.2. Faculty	Mathematics and Computer Science
1.3. Department	Computer Science
1.4. Study program field	Computer Science
1.5. Study cycle	PhD
1.6. Study programme / Qualification	

### 2. Information on the course

2.1. Course title	Academic Writing in Computer Science/Autorat științific și managementul proiectelor de cercetare						
2.2. Lecture instructor	Marc Frincu						
2.3. Seminar / laboratory instructor	Marc Frincu						
2.4. Study year	1	2.5. Semester	1	2.6. Examination type	E	2.7. Course type	M

### 3. Estimated study time (number of hours per semester)

3.1. Attendance hours per week	1	out of which: 3.2 lecture	1	3.3. seminar / laboratory	
3.4. Attendance hours per semester	12	out of which: 3.5 lecture	12	3.6. seminar / laboratory	
<b>Distribution of the allocated amount of time*</b>					<b>hours</b>
Study of literature and personal notes					80
Supplementary documentation at library or using electronic repositories					39
Preparing seminar coursework etc.					24
Exams					10
Tutoring					10
Other activities...					0
3.7. Total number of hours of individual study	163				
3.8. Total number of hours per semester	175				
3.9. Number of credits (ECTS)	7				

### 4. Prerequisites (if it is the case)

4.1. curriculum	Basic domain specific knowledge.
4.2. competences	Medium level knowledge of English. Reflective and critical skills. Basic knowledge of Latex and use of collaborative editing tools such as Overleaf.

### 5. Requirements (if it is the case)

5.1. for the lecture	Internet Access and Google Meet (link to be posted on Classroom)
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	Online activities: all course/lab materials will be available on Google Classroom and the online activities will be organized using Google Meet.
5.2. for the seminar / laboratory	Internet Access and Google Meet (link to be posted on Classroom)

## 6. Specific acquired competences

Professional competences	<ul style="list-style-type: none"> <li>• Understanding the main concepts underpinning academic writing and reflective practice.</li> <li>• Ability to critically assess own's and others' work.</li> <li>• Ability to write a properly structured academic article and to research potential venues (conferences/journals) to publish it.</li> <li>• Critical analysis of legal, social, ethical, and professional issues in scientific research.</li> </ul>
Transversal competences	<ul style="list-style-type: none"> <li>• Ability to conduct individual research and to prepare reports on a given topic.</li> <li>• Ability to conduct team work on joint research projects.</li> </ul>

## 7. Course objectives

7.1. General objective	(1) Provide knowledge and develop skills required to write research papers.
7.2. Specific objectives	(1) to understand what academic writing involves. (2) to understand the importance of reflection in academic practice. (3) to familiarize with the structure of certain types of academic texts in computer science. (4) to familiarize with requirements and expectations in scientific and technical writing. (5) to understand and identify legal, social, ethical, and professional issues related to one's scientific work (6) to use software tools which are specific for academic writing. (7) to write a first academic paper/report.

## 8. Content

8.1. Lecture	Teaching methods	Remarks, details
L1. Reflective practice. Academic writing and its challenges. Developing your skills. Time management.	Discourse, conversation, illustration by examples	online
L2. Types of academic documents in computer science and applied computer science.	Flipped learning. Discourse, conversation, illustration by examples	online
L3-L4. Requirements and Expectations in scientific and technical writing (Method, Results, Conclusion, Introduction, Abstract).	Flipped learning. Discourse, conversation, illustration by examples	online

L5. Sources of information. Finding a suitable place to publish to meet your doctorate requirements.	Flipped learning. Discourse, conversation, illustration by examples	online
L6. Legal, Social, Ethical, Professional Issues.	Flipped learning. Discourse, conversation, illustration by examples	online
L7. Submitting and presenting your work. Getting feedback.	Flipped learning. Discourse, conversation, illustration by examples	online
L8. Getting funds for your research. Writing grants. Development perspectives.	Flipped learning. Discourse, conversation, illustration by examples	online
L9-12. Using Latex and Overleaf. Practice on reflective and critical skills. Using the online resources for identifying state of art and suitable venues. Practice on using existing templates for various conferences/ journals.	Peer teaching. Flipped learning. Discourse, conversation. Illustration by examples.	online
<b>Recommended literature</b>		
1. <b>Craswell, G. 2004. <i>Writing for Academic Success</i>. Sage Publications.</b>		
2. <b>Jordan, R.R. 1999. <i>Academic Writing Course</i>. London: Nelson/Longman.</b>		
<b>8.2. Seminar / laboratory</b>	<b>Teaching methods</b>	<b>Remarks, details</b>
<b>Recommended literature:</b>		
1. Overleaf site		
2. Latex tutorials		
3. IEEExplore, ScienceDirect, ACM DL, Google Scholar, ResearchGate.		

### 9. Correlations between the content of the course and the requirements of the professional field and relevant employers.

The content covers the basics for understanding and gaining the required skills and knowledge for academic writing.

### 10. Evaluation

Activity	10.1. Assessment criteria	10.2. Assessment methods	10.3. Weight in the final mark
10.4. Lecture	Knowledge and skills in academic writing.	Application of these in the final written research paper. As an example, it can be the state of art survey for the research topic.	100%
10.5. Seminar / laboratory			
10.6. Minimum needed performance for passing			

General guidelines for each grade:

10 – Excellent report/paper at publishable standards with minor if any required updates. The student has demonstrated excellent critical thinking and summarizing skills with references and bibliography used flawlessly in an international standard.

8-9 – Very good report/paper with minor omissions present. Evidence of critical thinking and summarizing skills that cover most aspects. Some typos in referencing and bibliography are present. The objectives are clearly laid forth and are SMART.

7-6 – Good report/paper with some omissions present and obvious. The report is mostly synthetic with little critical thinking and the synthesized information requires more details. The referencing and bibliography contain obvious flows. Objectives can be identified but require more details.

5 – Academic paper/report structured according to the domain specific requirements. Objectives and synthesized related work are unclear but can be identified. No evidence (or very little if any) of critical thinking. Some referencing/bibliography style has been used but is inconsistent throughout the report/paper.

Date of completion  
20.09.2023

Signature (lecture instructor)  
Dr. habil. Marc FRINCU

Signature (seminar instructor)

Date of approval

Signature (director of the department/ doctoral school)