MINISTRY OF NATIONAL EDUCATION

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

SYLLABUS

1. Study Program

1.1	Higher Education Institute	Technical University of Cluj-Napoca
1.2	Faculty	Electronics, Telecommunications and Information Technology
1.3	Department	Communications
1.4	Study domain	Electronics and Telecommunications Engineering
1.5	Study level	Master of Science
1.6	Study program/ Qualification	Multimedia Technologies/ Telecommunications/ Master
1.7	Type of education	Full time
1.8	Discipline code	TM-E05.00/ TC-E05.00

2. Discipline

2.1	Discipline name					Ethics and Academic Integrity					
2.2	Subject area					Electronics and Telecommunications Engineering					
2.3	Responsible					Assoc. Professor Ligia Cremene, Ph.D. Ligia.Cremene@com.utcluj.ro					
2.4	Titular					Assoc. Professor Ligia Cremene, Ph.D.					
2.5	Year of study	I	2.6	Semester	1	2.7	Evaluation	Exam		Type of discipline	DC/DI

3. Total estimated time

Year/ Sem	Discipline name	No. of weeks	Course	Applications			Course	Applications			Indiv. study	TOTAL	ECTS
			[hours/week]				[hours/week]						
			C	S	L	P		S	L	P			
I/1	Ethics and Academic Integrity	14	1	0	0	0	14	0	0	0	30	49	1

3.1	Number of hours per week	1		course	1		applications	0
3.4	Total hours per curriculum	14		course	14		applications	0

Individual study	Hours
Study based on manuals, course materials, references and notes	5
Supplementary documentation in libraries, electronic platforms and on field	5
Preparation of seminars/laboratories, homework, essays, portfolios	20
Tutorial work	3
Assessments	3
Other activities	

3.7	Total hours of individual study	36
3.8	Total hours per semester	50
3.9	ECTS	2

4. Prerequisites (if necessary)

4.1	Curriculum	-
4.2	Competences	English language

5. Requisites (if necessary)

5.1	Course	Video-projector, screen, whiteboard
5.2	Applications	Internet access

6 Specific competences acquired

Professional competences	Theoretical knowledge (What do the student should know)	Students will know: – concepts of ethics and academic integrity, critical thinking, academic writing, professional ethics – types of scientific texts and communication (e.g. journal and conference papers) – the structure, rules and style of a scientific paper in the fields of Electronics, Telecommunications and Information Technology Engineering (IEEE author rules and guidelines) – academic writing techniques – types and structure of an academic review (IEEE reviewer rules and guidelines)
	Acquired skills (What the student is able to do)	Students will be able to: – structure a scientific paper in the fields of Electronics, Telecommunications and Information Technology – understand and explain the structure and rigors of a scientific paper – use academic writing techniques – critically analyze scientific texts – write a peer review and check for plagiarism – develop a positive attitude towards the process of academic writing – understand and promote the importance of writing high-quality research papers – value and apply the principles of ethics in writing (novelty, copyright, academic honesty, etc.)
Transversal competences		CT3 Adapting to new technologies, professional and personal development through continuing education using electronic documentation and printed sources, in Romanian and in at least one international language (English). Competencies of: – analysis and synthesis. – flexibility in thinking and ability to work with scientific texts. – Critical and creative thinking – Professional and ethical standards – Time management – Work ethics and discipline.

7 Discipline objectives (based on the grid of specific competences acquired)

7.1	General objective	The objective is to accustom students with the principles of ethics and academic integrity, get to know the main types of scientific texts and publication venues in the field of Electronics, Telecommunications and Information Technology Engineering.
7.2	Specific objectives	1. Understand the process and rigors of writing a scientific text in the field of Electronics and Telecommunications Engineering. 2. Develop academic writing skills 3. Develop critical thinking skills for evaluating the quality of scientific texts. 4. Know the main types of scientific texts and their composition, and key journals and conferences in the field. 5. Acquire skills and methods of individual and group work for writing and reviewing scientific papers.

8. Contents

8.1. Course (titles)		Teaching methods	Obser-vations
1	Introduction to writing scientific texts in the field of Electronics and Telecommunications Engineering	Interactive lecture	Video projector
2	Key scientific publication venues in the field		
3	Best practices in intellectual creation (1). Doing high-quality work		
4	Best practices in intellectual creation (2). Avoiding plagiarism		
5	Writing a scientific paper (1)		
6	Writing a scientific paper (2)		
7	Evaluation and peer-review of a scientific paper in the field.		

References:

1. Fundamental publishing guidelines and principles: *IEEE Publication Services and Products Board Operations Manual*, https://pspb.ieee.org/images/files/files/opsmanual.pdf, 15 February 2002, Amended 22 June 2018.
2. Fundamental values and publishing principles: *IEEE Principles of Scholarly Publishing*, http://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE_Publishing_Principles.pdf.
3. Derek Rowntree, *Învață cum să înveți (Learn How to Study)*, 1970.
4. Dan Ariely, *Adevărul (cinstit) despre necinste. Cum îi mințim pe toți - dar mai ales pe noi înșine (The (honest) truth about dishonesty),* Ed. Publica, 2012.
5. Andrei Plesu, *Minima moralia*, editia a V-a, Ed. Humanitas, 2013.
6. Pat Currie, *Staying out of trouble: Apparent plagiarism and academic survival*, Journal of Second Language Writing, Vol. 7, Iss. 1, Jan1998, pp1-18.

Online references and other information:
Links will be mentioned during lectures and available at: http://asl.utcluj.ro/didactic

9. Discipline content corroborated with the expectations of the epistemic community representatives, associations, professional and related program employers

Competences acquired will be used in the following COR occupations (Electronics Engineer; Telecommunications Engineer; Electronics Design Engineer; System and Computer Design Engineer; Communications Design Engineer) or in the new occupations proposed to be included in COR (Sale Support Engineer; Multimedia Applications Developer; Network Engineer; Communications Systems Test Engineer; Project Manager; Traffic Engineer; Communications Systems Consultant).

10. Assessment

Type of activity	10.1	Evaluation criteria	10.2	Evaluation method	10.3	Weight in the final grade
Course		Level of knowledge and skill acquired, Quality of delivered paper and reviews		1) writing one paper		50%
				2) writing two paper reviews		50%
10.4 Minimum performance standard						
The final grade (N) is calculated as average of marks obtained in the evaluation of written tasks. The condition for obtaining the ECTS credits is that both components of the final grade to be higher than or equal to 5 (five). NF >=5						

Date
10.02.2020

Titular
Assoc. Professor
Ligia CREMENE, Ph.D.

Responsible
Assoc. Professor
Ligia CREMENE, Ph.D.

Date of approval
1.10.2020

Head of Department
Professor Virgil DOBROTA, Ph.D.