

COURSE DESCRIPTION

1. Program details

University	"Lucian Blaga" University of Sibiu
Faculty	Engineering Faculty
Department	Department of Computer Science and Electrical and Electronics Engineering
Main field of study	Computer Engineering and Information Technology
Level of education	RESEARCH MASTER
Specialization	ADVANCED COMPUTING SYSTEMS

2. Course details

Course title	Ethics and Academic Integrity			
Course code	Type of course	Year of study	Semester	Number of credits
mACS.104.SO	obligatory	1	1	2
Evaluation type	Type of course (FD=fundamental discipline.; DD=domain discipline; SD=specialized discipline; CD=complementary discipline)			
Exam	CD			
Course instructor	associate professor Eng. Daniel Morariu, PhD			
Seminar/lab/project instructor	associate professor Eng. Daniel Morariu, PhD			

3. Estimated time

Course duration in the curriculum – number of hours per week				
Lecture	Seminar	Lab	Project	Total
1	-	-	-	1
Course duration in the curriculum - Total of hours curriculum				
Lecture	Seminar	Lab	Project	Total ($NOAD_{sem}$)
14	-	-	-	14

Distribution of hours for individual study		No. hours
Individual study using course handbooks, bibliography and notes		6
Additional documentation in library and on specialized electronic platforms		-
Preparing seminars / labs, homework, essays and portfolios		4
Tutoring		2
Exam preparation		2
Total hours for individual study ($NOSI_{sem}$)		14
Total hours per semester ($NOAD_{sem} + NOSI_{sem}$)		28

4. Prerequisites (if applicable)

curriculum	
competencies	

5. Conditions (if applicable)

course materials	Active participation in classes, lecture + discussion, video-projector, whiteboard
sem/lab/project materials	

6. Specific competences acquired

Professional competence	Knowledge of the general theories of ethics, normative ethics and applied ethics. Knowledge of specific ethical and moral issues faced by computer science organizations.
Transversal competences	

7. Objectives (based on the specific grid for the accumulated competences)

General objective	Knowledge and appropriate use of the notions specific to the discipline Knowledge of the theoretical and practical content of the discipline Explaining and interpreting the similarities and differences between two fundamental terms: ethics and morals. Interpreting the moral issues involved in the main topics of ethics in computer science: discrimination, plagiarism, corruption, etc.
Specific objectives	Description of the ways in which the ethical theories can be materialized in practice and the possibilities of their manifestation in the major fields of fundamental ethics. Identification in specific case studies of the moral issues involved in the main themes of ethics.

8. Contents

Course	No. hours	
Course 1	Some concepts of Ethics and Morality.	2
Course 2	Write a scientific paper. Elements of axiology and exploitation of scientific research.	2
Course 3	Research methods in computer science. Ethics in research.	2
Course 4	Ethics in statistical processing results. P-value and fraudulent use of the statistics.	2
Course 5	Morality in computer science	2
Course 6	"Publish or Perish" paradigm and necessity to go to a reproducible science.	2
Course 7	Ethical Virtue: Courage and Justice	2
Total course hours:		14

Teaching methods

The presentation of the main ideas with discussions on the themes. Laboratory that emphasizes the concepts presented in the course. PowerPoint slides for course.	Language of instruction	English
---	-------------------------	---------

References

Recommended reading	Bynum, Terrell Ward, "The foundation of computer ethics". ACM SIGCAS Computers and Society. 2000
	Floridi, Luciano . "Information Ethics: On the Theoretical Foundations of Computer Ethics", 1999
	L. N. VINȚAN – About the scientific values' falsification, Revista de politica științei și scientometrie, ISSN-L 1582-1218, Vol. 3, 2014,
More references	John P. A. Ioannidis – “Why Most Published Research Findings Are False” https://doi.org/10.1371/journal.pmed.0020124
	Campbell and Kenny (1999) A primer on regression artefacts
	https://en.wikipedia.org/wiki/List_of_scientific_misconduct_incidents

9. Linking course content with expectations of the epistemic community representatives, professional associations and employers' representatives in the field related to the program

--

10. Evaluation

Type	Evaluation criteria	Evaluation methods	Percentage in final grade	Obs.*
Course	Semester exam	written	70	RFE
	course participation		15%	nREP
	course report	oral/written	15%	RFP
Minimum standard of performance				
50% result after summing weighted scores in column 4				

(*) REP – required for exam participation; nREP – not required for exam participation; RFE – required for final evaluation.

Date of completion:

Date of approval in the Department:.....

	Position, title, first name, surname	Signature
Course instructor	associate professor Eng. Daniel Morariu, PhD	
Head of department	Prof. Eng. Daniel VOLOVICI, PhD	