

Course Unit	Quality in Information	Systems		Field of study	Information Systems		
Master in	Informatics			School	School of Technology and Management		
Academic Year	2023/2024	Year of study	1	Level	2-1	ECTS credits	6.0
Туре	Semestral	Semester	1	Code	5060-710-1103-00-23		
Workload (hours)	162	Contact hours	T - Lectures; TP - Lectures a	60 PL -	TC - S - em-solving, project or laboratory; TC	- Fieldwork; S - Seminar; E - Pla	acement; OT - Tutorial; O - Other
Name(s) of lecturer((s) José Eduard	lo Moreira Fernandes	;				
Learning outco At the end of the co 1. Analyze and und 2. Identify and unde 3. Identify and unde	mes and compete burse unit the learner lerstand quality in the erstand the importance erstand techniques for	nces is expected to be ab e context of informatic ce of the definition an or developing quality i	le to: n systems d specification of infor nformation systems	rmation systems			
Prerequisites Before the course u 1. Read and unders 2. Demonstrate pre	unit the learner is exp stand english texts. vious knowledge of c	pected to be able to: computer application	development				
Course content Study of different p and management o	ts perspectives and qua of development proc	ality standards in the esses.	context of information	n systems. Definition	n and specification of i	nformation systems	. Quality, innovation
Course content 1. Quality and inforr - Definition, evol - Quality perspe - IS/IT standards 2. Quality in the def - Alignment of in - Requirements - Information qua 3. Quality in the dev - Quality, innova - Software verific - Techniques, to	ts (extended version mation systems lution, and quality con- ctives in information is and best practices finition and specificat information systems a engineering in the quality velopment of softwar tion, and manageme cation and validation iols, and standards	on) ntrol systems ion of information systems nd business processivality of information size e-based systems ent of development pr	stems es ystems ocesses				
Recommended	1 reading						
1. Tworek, K. , "Alig 2. Fernandes, J. , M 3. Goericke, S. , "Tl 4. Blokdyk, G. , "So 5. Batini, C. , Scanr	ning IT and Busines Aachado, R. , "Requi he Future of Softwaru ftware verification ar napieco, M. " Data ar	s", Springer, 2019. rements in Engineeri e Quality Assurance" nd validation: A Project nd Information Quality	ng Projects", Springer , Springer, 2019. ct-Based Tutorial", Cre ⁄: Dimensions, Princip	, 2015. eateSpace, 2017. les and Techniques'	', Springer; 2016.		
Teaching and I Theoretical-Practica works.	earning methods al classes for presen	tation of theoretical c	oncepts and applicati	on of the acquired k	nowledge. Out of class	ses: Individual study	; Research; Practica
Assessment m	ethods						

Alternative 1 - (Regular, Student Worker) (Final, Supplementary, Special)
Practical Work - 100%

Language of instruction

English

Electronic validation

José Eduardo Moreira Fernandes	Tiago Miguel Ferreira Guimaraes Pedrosa	José Carlos Rufino Amaro
11-10-2023	25-10-2023	31-10-2023