

				_	C						
Course Unit	Organization and Data Processing			Field of study		Trainin	Training in Teaching Area				
Bachelor in	Basic Education				School		Schoo	School of Education			
Academic Year	2022/2023	Year of study	1		Le	evel	1-1	1-1 ECTS credits 6.0			
Туре	Semestral	Semester	1		Co	ode	9853-531-1105-00-22		2		
Workload (hours)	162	Contact hours	Т -	ТР	54	PL -	TC -	s -	E ·	OT 18	0
					_					ninar; E - Placement; O	
lame(s) of lecture	er(s) Manuel Ce	lestino Vara Pires									
At the end of the of 1. Identify statistic 2. Relate statistica 3. Apply statistica 4. Work independ	al concepts and proce al concepts and proce l concepts and proce ently, researching, co	ences er is expected to be a sedures in diversified edures in diversified c dures in diversified c ollecting, interpreting nunicating their own	contexts. contexts. ontexts. and presenting	g informa rpreting tl	ation. he ot	ther people's i	deas.				
. Read and inter	unit the learner is ex oret mathematical inf basic statistical cond										
		raphs. 3. Measures o	of central tende	ency. 4. N	leas	ures of dispers	sion. 5. Co	relation and	linear regress	ion.	
<ol> <li>Data and variat         <ul> <li>Types of data</li> <li>Tables and gra,</li> <li>Frequency di</li> <li>Bar chart, line</li> <li>Histogram, bis</li> </ul> </li> <li>Measures of ce         <ul> <li>Mode, media</li> <li>Measures of sta</li> <li>Range, interce</li> </ul> </li> </ol>	bles. a, types of variables. phs. stribution, Venn diag e chart, pic ox plot, scatter plot. ntral tendency. n, quartiles, percentil atistical dispersion.	ram, Carroll diagram, togram, stem-and-lea	af display.	ndard dev	viatio	on.					
Recommende	ed reading										
2. Martins, M. E., 3. Murteira, B., Ri 4. Palhares, P. (C	& Ponte, J. P. (2011) beiro, C., Silva, J., & oord.) (2004). Eleme	P. (2009). Um mundo ). Organização e trata Pimenta, C. (2004). I entos de matemática ( E. (Coords.) (2011).	amento de dad Introdução à e para professor	los. DGID statística es do en:	DC, N I. Mc Isino	<i>l</i> linistério da E Graw Hill. básico. Lidel.	ducação.	-			
Toophing and	learning methods										
	i saming methods							bing work 2	Discussions	of the meeting	mallaria
1. Content explore	ation using, for examulation using, for examulation and the second second second second second second second se	nple, explanation pro					UI TESEAIC	aning work. Z	Discussions	or themes in s	

- Intermediate Written Test 30% (Written summative test.)
   Intermediate Written Test 30% (Written summative test.)
   Work Discussion 40% (Implementation and discussion of the proposed tasks or the individual or group works.)
   Assessment by examination (Regular, Student Worker) (Supplementary, Special)
   Final Written Exam 100%

## Language of instruction

## Portuguese

Electronic validation					
Manuel Celestino Vara Pires	Maria Cristina do Espírito Santo Martins	Elza da Conceição Mesquita	Carlos Manuel Costa Teixeira		
12-12-2022	19-12-2022	20-12-2022	05-01-2023		