INSTITUTO POLITÉCNICO DE BRAGANÇA

Course Unit	Information and Communication Technologies			Field of study	Educational Sciences								
Bachelor in	Social Education			School	School of Education								
Academic Year	2022/2023	Year of study	1	Level	1-1	ECTS credits	4.0						
Type	Semestral	Semester	2	Code	9084-628-1203-00-22								
Workload (hours)	108	Contact hours	T -	TP 36	PL -	TC -	S -	E -	OT 9	O -			

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s): João Sérgio Pina Carvalho Sousa

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:
1. Develop a positive attitude, entrepreneurial and innovative towards technologies and the relevance that these have in transforming society.
2. Discuss the impact and challenges of ICT in society.
3. Use information systems to collect, process and present information.
4. Explore digital technologies and outline its use in socio-educational contexts.
5. Use digital technologies to design and communicate projects of social intervention.
6. Promote the ability to learn in an autonomous and continuously.

Prerequisites

Before the course unit the learner is expected to be able to:
Not applicable.

Course contents

ICT and Society. Digital Technologies in Social Education.

Course contents (extended version)

1. ICT and Society
   - ICT
   - Information and Knowledge Society
   - Digital Society and Network Society
   - Digital citizenship
   - 21st Century Skills
   - Trends and Challenges
2. Digital Technologies in Social Education
   - Netiquette, copyright and security
   - Tools for collecting, processing and presentation of information
   - Tools for create and communicate projects
   - Social and collaborative tools
   - Exploration of digital technologies
   - Production and presentation of content

Recommended reading

1. Cardoso, G. , Costa, A. F. , Coelho, A. R. , & Pereira, A. (2015). A sociedade em rede em Portugal – uma década de transição. Edições Almedina.
2. Dias, P. (2014). Viver na Sociedade Digital - Tecnologias Digitais, Novas Práticas e Mudanças Sociais. Principia.
3. Lucas, M. , & Moreira, A. (2017). DigComp 2. 1: quadro europeu de competência digital para cidadãos: com oito níveis de proficiência e exemplos de uso. UA Editora – Universidade de Aveiro.
4. Oliveira, S. , & Caetano, R. (2017). Literacia para os Média e Cidadania Global: Caixa de Ferramentas. Europress.
5. Portugal INCoDe. 2030 (2019, setembro). Quadro Dinâmico de Referência de Competência Digital. https: //www. incode2030. gov. pt/sites/default/files/qdrcd_set2019. pdf

Teaching and learning methods

Problem based methodologies with an essentially practical scope proposing integrated usage of thechonologial tools allowing for the solution of a pronlem put forward by the students, suggested by the lecturer or arising from contemporary social issues. More theoritical oriented contetnts will be ecplored under an inverted classroom perspective.

Assessment methods

1. Continuous Assessment: - (Regular, Student Worker) (Final)
   - Projects - 50% (Project in group)
   - Practical Work - 50% (Individual practical work)
2. Exam: - (Regular, Student Worker) (Supplementary, Special)
   - Final Written Exam - 100% (Exam: theoretical (50%) and practical (50%))

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

João Sérgio Pina Carvalho Sousa	Manuel Florindo Alves Meirinhos	Maria do Céu Ribeiro	Carlos Manuel Costa Teixeira
09-01-2023	09-01-2023	09-01-2023	09-01-2023