

Cybersecurity (6 ECTS credits)
Responsible: Tiago Pedrosa; E-mail: rftman@ipb.pt
Location: Bragança Campus
Partners: Bragança Polytechnic University (Portugal), Universidad de León (Spain), Bremen University of Applied Sciences (Germany)
Calendar: Virtual component starting 03/04/2024, ending 08/06/2024. Physical component starting 11/06/2024, ending 15/06/2024.
Contents: Fundamentals of system and network security. Concepts of cryptography. Vulnerabilities and attacks. Industrial Cybersecurity. Mechanisms for control, containment, detection and prevention. Systems and networks hardening. Security audit and penetration testing.
Emotional Education (6 ECTS credits)
Responsible: Maria A Romão Veiga Branco, Bárbara Barroso, Ana Paula Monte, António Meireles; E-mail: aubra@ipb.pt
Location: Bragança Campus
Partners: Bragança Polytechnic University (Portugal), University Croix Rouge de Limoges (France), Wroclaw Medical University (Poland), Tischner European University (Poland), Kaunas University of Technology (Lithuania), University Alexandru Ioan Cuza of Iasi (Romania), Kajaani University of Applied Sciences (Finland).
Calendar: Virtual component starting 30/04/2024, ending 25/06/2024. Physical component, starting 17/06/2024, ending 21/06/2024.
Contents: Emotional Intelligence (IE), Emotional Competence (EC), Emotional Education (EE): Concepts and neuro-differentiation. Emotion: Functions and Effects of Cognitive and Behavioral Processes. Emotion and Feeling: differences and expressions. EE for EC - Health Promotion/ EC Dimensions. Be emotionally competent as Educator, Manager, Entrepreneur. EE Laboratories I, II: Emotion Management Strategies. Education, Management, Social and Health Institutions: Controlled Internship experience: Practical Intervention plan (individual, family, group/community context).
Integrated Multimedia Project (5 ECTS credits)
Responsible: Ana Lúcia Pinto, Carlos Casimiro Costa; E-mail: analucia.pinto@ipb.pt
Location: Mirandela Campus
Partners: Bragança Polytechnic University (Portugal), Stefan cel Mare University of Suceava (Romania), University of Silesia in Katowice (Poland), Universitatea Politehnica Timisoara (Romania)
Calendar: Virtual component starting 29/02/2024, ending 27/04/2024. Physical component starting 29/04/2024 ending 03/05/2024.
Contents: At the end of the course, students should be capable of constructing a comprehensive understanding of the development of multimedia projects within a work context. They should be able to conduct research studies to successfully execute a project in a real-world setting, plan and execute projects using design methodologies, master the creation of fully integrated multimedia products, apply systemic methodologies in a professional context, plan, and design projects according to actual scale specifications, develop an integrated communication structure, and collaborate effectively within multidisciplinary teams. The theme for Project BIP is “Local Marketplaces Media”.
Challenge Based Innovation (6 ECTS credits)
Responsible: Inês Barbedo e Bárbara Barroso; E-mail: inesb@ipb.pt ; bbarroso@ipb.pt
Location: Bragança Campus
Partners: Polytechnic Institute of Bragança (Portugal), Hanze University of Applied Sciences (The Netherlands), Bremen University of Applied Sciences (Germany), South East Technological University (Ireland)
Calendar: Virtual component starting 01/04/2024, ending 28/06/2024. Physical component starting 03/06/2024, ending 07/06/2024.
Contents: Team building. Analysis and study of the selected challenge. Teamwork. Discussion of ideas (brainstorming). Rapid prototyping and prototype evaluation. Innovation. The value proposition for different stakeholders. Solution validation. Pitch/Selling. Creation of value proposition for the end user.