

<b>Accessible Audiovisual Translation (5 ECTS credits)</b>
<b>Responsible:</b> Cláudia Martins, <b>E-mail:</b> <a href="mailto:claudiam@ipb.pt">claudiam@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), University of Vigo (Spain), University of Zagreb (Croatia)
<b>Calendar:</b> Virtual component starting 21/02/2022, ending 03/06/2022. Physical component starting 06/06/2022, ending 10/06/2022
<b>Contents:</b> The programme provides students with basic understanding of the accessible modes within AVT and especially Media Accessibility. As such, they will be developing skills and expertise for Subtitling for the deaf and hard of hearing and Audiodescription for the blind and visually impaired, particularly for films and museums. Along with hands-on work, students will also approach the preferential target groups, their features and preferences and national and international guidelines.

<b>Challenge Based Innovation (6 ECTS credits)</b>
<b>Responsible:</b> Ana Isabel Pereira, <b>E-mail:</b> <a href="mailto:apereira@ipb.pt">apereira@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), Hanze University of Applied Sciences (The Netherlands), Bremen University of Applied Sciences (Germany)
<b>Calendar:</b> Virtual component starting 28/02/2022, ending 18/06/2022. Physical component starting 20/06/2022, ending 24/06/2022
<b>Contents:</b> Team building. Analysis and study of the selected challenge. Teamwork. Discussion of ideas (brainstorming). Rapid prototyping and prototype evaluation (if applicable). Innovation. The value proposition for different stakeholders. Solution validation. Pitch/Selling. Creation of value proposition for the end user.

<b>Circular Bioeconomy (6 ECTS credits)</b>
<b>Responsible:</b> Elsa Ramalhosa, <b>E-mail:</b> <a href="mailto:elsa@ipb.pt">elsa@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), Hanze University of Applied Sciences (The Netherlands), Bremen University of Applied Sciences (Germany)
<b>Calendar:</b> Virtual component starting 25/04/2022, ending 24/06/2022. Physical component starting 30/05/2022, ending 03/06/2022
<b>Contents:</b> Seminars in Circular Bioeconomy: Circular economics, Degrowth economics, Bioeconomy, Biotechnology in bioeconomy, Sustainability of food businesses through quality, innovation and data analytics, Bioenergy, Life Cycle Analysis. Research activities at the Mountain Research Centre (CIMO, Bragança, Portugal). Project development on sustainable development goals.

<b>Cybersecurity (6 ECTS credits)</b>
<b>Responsible:</b> Tiago Pedrosa, <b>E-mail:</b> <a href="mailto:rftman@ipb.pt">rftman@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), Universidad de León (Spain), Comenius University in Bratislava (Slovakia)
<b>Calendar:</b> Virtual component starting 21/02/2022, ending 11/06/2022. Physical component starting 13/06/2022, ending 17/06/2022
<b>Contents:</b> Fundamentals of system and network security. Concepts of cryptography. Vulnerabilities and attacks. Mechanisms for control, containment, detection and prevention. Systems and networks hardening. Security audit and penetration testing.

<b>Emotional Education (6 ECTS credits)</b>
<b>Responsible:</b> Maria Augusta Branco, <b>E-mail:</b> <a href="mailto:aubra@ipb.pt">aubra@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), University of Genoa (Italy), University of León (Spain)
<b>Calendar:</b> Virtual component starting 21/02/2022, ending 28/05/2022. Physical component starting 30/05/2022, ending 04/06/2022
<b>Contents:</b> Emotional Intelligence, Emotional Competence (EC), Emotional Education (EE): Concepts and neurodifferentiation. Emotion: Functions and Effects of Cognitive and Behavioural Processes. Emotion and Feeling: differences and expressions. EE for EC - Health Promotion perspective: EC Dimensions. Be emotionally competent as Educator, Manager, Entrepreneur. EE Laboratories: Emotion Management Strategies. Education, Management, Social and Health Institutions: Controlled Internship experience: Practical Intervention plan (individual, family, group/community context).

<b>Integrated Multimedia Project (5 ECTS credits)</b>
<b>Responsible:</b> Ana Lúcia Pinto, <b>E-mails:</b> <a href="mailto:analucia.pinto@ipb.pt">analucia.pinto@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), University of Vigo (Spain), Stefan cel Mare University of Suceava (Romania)
<b>Calendar:</b> Virtual component starting 22/02/2022, ending 29/04/2022. Physical component starting 01/05/2022 ending 07/05/2022
<b>Contents:</b> At the end the students should be able to build a holistic vision on the development of multimedia projects in work context; manage research studies into the accomplishment of a project in real context; plan and develop a project through design methodologies; master the full design process of an integrated multimedia product; apply systemic methodologies in professional context; plan and design a project according to specifications of actual scale; develop and ground an integrated communication plan; work with multidisciplinary teams. Project BIP theme: regional markets.

<b>Nature Conservation and Artificial Intelligence (6 ECTS credits)</b>
<b>Responsible:</b> João Azevedo, <b>E-mail:</b> <a href="mailto:jazevedo@ipb.pt">jazevedo@ipb.pt</a>
<b>Partners:</b> Polytechnic Institute of Bragança (Portugal), University of Valladolid (Spain), University of Molise (Italy)
<b>Calendar:</b> Virtual component starting 21/02/2022, ending 03/06/2022. Physical component starting 06/06/2022, ending 10/06/2022
<b>Contents:</b> The programme provides students with basic knowledge on biodiversity conservation and artificial Intelligence, covering: Introduction to conservation (history, context, concepts); Conservation strategies (areas, species and sustainable management); Principles and practices of conservation in (semi) natural and managed systems at landscape and site scales; Principles and applications of artificial intelligence; Application of artificial intelligence to conservation planning and monitoring.