Blended Intensive Program

COLLABORATIVE WORK ON INNOVATIVE AND SUSTAINABLE PROJECTS

General information

Course Title	Collaborative work on innovative and sustainable projects
Abstract	*This course is an opportunity for students to learn about SDGs and collaborative work.* *This course is mainly focused on practical experience. The core of the course is a creative marathon.* ***Attendees will participate and collaborate on an innovative project with positive social and ecological impact that aims to make our campuses more sustainable.***
Calendar	• 31/03: Nominations deadline • 07/04: Confirmation of acceptance • May: 3 workshops of 1h30 • June 5 to 9: 5 days in Brest
Total number of hours	Total: 40 hours • online: 4,5 hours • on-site: 34,5 hours
Teachers	UBO: Julia Fougère, Yves Quéré, Sarah Noll UNIST: Ivana Vuka, Nikola Balić
Number of participants	The minimum number of participants is 15, maximum is 25. Each university can propose up to 5 participants (students and academic or non-academic staff).
Mobility costs	This mobility is eligible for Erasmus+. Please contact your university for more information.
Contact	Regarding organizational aspects: yves.quere@univ-brest.fr Regarding pedagogical aspects: julia.fougere@univ-brest.fr UBO Open Factory: +33298018322

Pedagogical contents

Target group	• **Students interested in sustainable projects and collaborative work.** The course is open to Bachelor, Master and Doctoral students from all curriculum. • Employees of campus that are interested on SDGs and to promote the results of the creative marathon in their Campus
Requirements	English B1
Any required material to take part to the course	Laptop if possible
ECTS	3
Assessment	The assessment will be divided in two parts: 1. criteria grid assessing the learning outcomes 2. self-reflection of the students on their learning and personal goals
Learning outcomes	• Identify the characteristics of collaborative and open innovation • Identify the factors of collective intelligence • Set performance indicators (KPI) of his project • Make a need analysis • Suggest creative (non-rational) solutions ideas • Select relevant ideas (regarding the criteria and framework) • Make a risk analysis • Plan the realization of the project in time (Milestones) • Identify the aim of prototyping • Identify the stakes of documenting an open-source project • Explain the stages of the double diamond methodology • Align one's project in the UN 2030 Agenda (SDG) • Present one's project convincingly

Structure of the course

Introductory phase (virtual) 4h30 May	May 15th, 16-17h30 (1h30): **Workshop 1 on Sustainable Development Goals** ● Sustainable Development Goals ● Sustainability and Business Model (UNIST) ● SDG possible topics for campuses (UBO) May 24th, 16-17h30 (1h30): **Workshop 2 introduction on innovation and IPR** ● Open Innovation (UBO) ● Intellectual Property Rights (UNIST) May 30th, 16-17h30 (1h30): **Workshop 3 - Utopia University:** ● Speculative design activities, creativity: inspiration and projection in a desirable future (UBO)
Presential phase (in UBO, Brest) 34h30 June 5 to 9	**Day 1: Learning journey in a Fablab and innovation space - 6h30 8h45** ● Making a laser-cut object (keychain) in a FabLab ● Visit of the Fablab (equipments and projects) and discussion about innovation ● Discovery of collective intelligence principles through experience ● Identification of the appropriate postures ● Design thinking and double diamond introduction **Day 2: Creative Marathon - discovering the project's context and defining the problem - 7h** ● Self-evaluation: setting their personal goals and motivations for the course ● Teamworking: behavioral preferences ● Teams' constitution ● Learning journey around the project ● Interviews ● Exploration, need analysis ● Benchmark ● Link with SDGs ● Finding a relevant issue ● Determination of the project's framework **Day 3: Creative Marathon - Solution ideation - 7h** ● Introduction to creativity principles ● Creativity activities to find many ideas of solution ● Selection of a solution based on a list of criteria ● Risk analysis ● KPI definition

	Day 4: Prototyping, documentation, presentation - 7h • Pitch workshop (UNIST) • Prototyping the solution(s) adopted • Testing the solution(s) • Documentation of the project on an open platform • Setting milestones for the project • Pitching the group project **Day 5: Reflexivity session & tour of an innovation ecosystem - 7h** • Reflection work on the students' learning and personal goals during their participation to the collaborative project • Visit of different organizations working on innovation

Practical information

Accommodation	The participants (students and teachers) have to book the accommodation directly. The following hotels are probably among the cheapest options: • https://www.hotel-styles-brest.com/chambres-ibis-budget-brest/ • https://www.logishotels.com/fr/hotel/cithotel-de-la-gare-6643?partid=1535 • https://littlelodge.fr It is also possible to stay in a camping on the sea-coast if you rent a car: • http://www.campingdugoulet.fr *Nb: we are currently working on having groupe rate, more information will be sent later. Furthermore, more information about the number of meals supported by UBO will be communicated later.*
Course location	UBO Open Factory 6, avenue Le Gorgeu, 29200 Brest https://www.openstreetmap.org/#map=19/48.39830/-4.49756