	Implementation schedule	Physically/remotely	Contact hours	Autonomous work for students (max hours)	Learning outcomes
Activity 0	**Pre-programme virtual preparation:** Introduction to space systems, Earth observation, and sustainability (online lectures + reading materials)	**Remote**	**4**	**20**	Develop foundational knowledge of space technologies, sustainability concepts, and mission design principles.
Activity 1	Introduction, Space Industry & Policy, Guest lectures from ESA, Enterprise Ireland and national stakeholders	**Physical**	**6**	**6**	Understand the European space ecosystem, policy landscape, and sustainability drivers in the space sector.
Activity 2	Industry & Entrepreneurship: Talks from industry experts, startups, and entrepreneurs	**Physical**	**6**	**6**	Gain insight into industry practices, innovation pathways, and entrepreneurship in the space sector
Activity 3	Academic Perspectives: Research lectures on space technologies, Earth observation, and sustainability applications	**Physical**	**6**	**6**	Develop technical understanding of space systems and their applications in sustainability.
Activity 4	Group Work - Mission design and concept development (team-based work)	**Physical**	**0**	**20**	Apply interdisciplinary knowledge to develop

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					mission concepts addressing real-world challenges.
Activity 5	Presentation of Ideas – Team presentations and feedback from experts	**Physical**	**2**	**2**	Develop communication, teamwork, and critical evaluation skills through presentation and peer feedback.
Activity 6	Post-programme: Reporting-Preparation of final report and presentation at online student conference	**Remotely**	**2**	**20**	Consolidate learning through structured reporting, reflection, and dissemination of results.
Total Hours			**26**	**80**	

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