

2024 Sustainability Week Curricular Activities

Bachelor in Artificial Intelligence for Business (BAIB)

1st Year

LANGUAGE I: ENGLISH

Faculty: Venner, James

This course covers CSR issues and alternative economic models/concepts such as circular economy and triple bottom line. This class module consists of various activities and tasks related to Sustainable business. Students will also perform the [FT challenge on climate change](#).

In addition to the above, students will be encouraged to participate in other SW's activities so that students can bring to the class their findings on these issues.

SDG related: 12-Ensure sustainable consumption and production patterns. 13-Climate Action.

DESCRIPTIVE STATISTICS AND PROBABILITY

Faculty: Agell, Núria

Students perform an activity based on case related to sustainability related to waste-recycling. Students analyze waste generation of EU-27 countries. In particular, they analyze the waste produced in each country by households and by economic activities. The economic activities are classified according to the economic sector from which it comes from (Agriculture, Forestry and fishing; Mining; Manufacturing, etc.). A statistic study from a descriptive point of view is conducted. Finally, students are asked to report their findings and ideas on how to address the main problems that they have identified.

SDG related: 9-Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation; 11-Make cities and human settlements inclusive, safe, resilient and sustainable; 12- Ensure sustainable consumption and production patterns; 13-Climate action.

2nd Year

COMPUTATIONAL PROBLEM SOLVING

Faculty: Nin Guerrero, Jordi

This course aims to develop a comprehensive understanding of optimization and modeling approaches to effectively tackle complex economic, social and environmental challenges.

SDG related: 10-Reduced inequalities.



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2nd Year

ORGANIZATION THEORY

Faculty: Collet, François

In this class, students will have the opportunity to learn about how energy consumption is linked to economic growth and carbon emissions and learn about how a manager make decisions about carbon reduction initiatives.

Due to massive anthropic modifications of our biosphere, climate change being only one of them, environmental issues are not only bound to intensify; they will also evolve and diversify. Challenges regarding new pollutants, declining biodiversity or new invasive species are rising. It's never been as critical and urgent for organizations and society at large to understand how organizations affect the natural environment and to be prepared to face environmental hazards. In this session you will learn about how the Kaya identity can inform different strategies to reduce carbon emissions and will use a simulation to understand how a manager make decisions to reduce the environmental impact of an organization.

SDG related: 10-Reduced inequalities.

