Course: Energy Scenario Planning — credits: 5

Course code	TBVB24ESP
Name	Energy Scenario Planning
Study year	2024-2025
ECTS credits	5
Language	English
Coordinator	J.R.G. Veldink
Modes of delivery	Education
Assessments	Project Scenario's - Assignment Scenario Planning 2 - Assignment

Learning outcomes

Students will be able to propose implementation of changes as a result of scenario planning
Students can integrate shareholder and stakeholder interests, managerial issues, financial aspects and change management in the recommendations for the proposed changes
Students can evaluate existing scenarios on the basis of the Oxford scenario planning
Students are able to design scenarios in order to create objective futures explorations

Students can draw up and compare different scenarios using the Oxford style scenario planning
Students can make analyses of such scenarios
Students can write a report about potential future scenarios and their impact on the business community and society at large.
Students can manage a scenario planning process in an international setting
Students are able to collect and analyze information from complex business contexts.

Content

The planning of scenarios and adapting to the meso and micro level consequences require an operationalization of choices. During this lecture series options and methods will be discussed. You will learn to analyze and redesign scenarios in order to create insights in hidden dogma’s or assumptions. Share and stakeholder management, finance, acceptation and motivation will be discussed.

The project scenario planning will focus on the future energy situation. Based on the Oxford scenario method you explore the potential outcomes of the energy transition. Dealing with unknowns and multiple storylines students will gain experience in the scenario planning. This tool can be used in strategic planning of companies and governments.
In small groups students will have to shape and substanciate the choices that students think will be important for the energy future of the world. Deskresearch and group discussions and interviews will be part of the project. The result will be a report about the potential scenarios and their effects on companies an society

Included in programme(s)

Exchange Energy & Society (autumn and spring)
Minor Energy & Society

School(s)

Institute of Engineering

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