

CBL Entrepreneurial Experience SET

In the SET program, the opportunity for a "Challenged Based Learning Entrepreneurial Experience" is created. This experience gives SET students the opportunity to improve their entrepreneurial skills in an international context. Students who choose the CBLE-experience are strongly recommended to do their internship part-time in Q3 and Q4 of year 1.

The CBLE-experience is chosen as a free elective package of 15 EC and consists of two parts of 7.5EC each:

- the Integrated Project of the Year (iPoY) together with the SELECT students
- the business-related course 'Innovation & Entrepreneurship Study (1ZM170)

'Integrated Project of the Year'

In the 'Integrated Project of the Year (iPoY)' students will create their own real-life energy-related project with real clients in an international context. Within a team, students will draw up a project plan on a freely chosen topic related to - the structure and impact of energy systems and its further development. The goal of this project is to develop the ability to lead advanced level business discussions as well as the ability to execute an innovation process in complex energy conversion chains. Additional information about the iPoY project can be found under downloads.

Innovation & Entrepreneurship Study (1ZM170)

Key aspects during this course are:

- Interaction with a company: students' goal is to tackle a company business challenge, make recommendation, and do their best to have an impact! This is neither an internship, nor a pre-recruitment.
- Robust business analysis: students will develop their analytical skills on economic and social matters; they will learn more about how to handle a business analysis and make recommendations, using qualitative and/or quantitative research methods and reflecting upon the conditions for sound analysis.
- Tech-based innovation: students will learn to employ analytical tools to assess the impact of a technology at a macro (industry, sector) or micro level (business, market).
- Sustainable innovation: students will learn the key ingredients required to design a sustainable business model and write a business plan that appropriately implements the business model.

1ZM170 runs in Q1 of Q2 of the academic year and consists of two parts:

- In Q1 1ZM170 runs together with the 1ZM160 course. Student of both courses do the assignments in mixed interdisciplinary groups (worth 5 EC);
- SET students who take 1ZM170 will continue in Q2 with an additional assignment (worth 2.5EC) focusing more on sustainability aspects of business modelling. Students can do the assignment in relation to the iPoY or graduation project

Timeline & practicalities

The CBL Entrepreneurial experience runs during the 2nd MSc year. Students who choose this option are strongly recommended to do their internship part-time in Q3 and Q4 of year 1, parallel with the SIP project and in consultation with their mentor.

Students can sign up for iPoY projects and team building between May and August. This is an example of the schedule in 2022/23:

- Signing up for iPoY projects and team building (May – August)

- Writing proposals and peer review (August – September)
- Presentation of project proposals and teams (October)**
- Submitting the interim report (December)
- Submitting the Final report (April)
- Presentation (May)**

***SET students may either attend the presentation online or live. If attending the presentation live, students will have to pay their personal travel and accommodation expenses.*

The iPoY is equivalent to 7.5 EC, which means a ‘work effort’ of approximately 200 hours, spread over the year (between August and May).

Students who want to participate in this experience have to contact both their academic advisor and the SELECT coordinator (Han van Kasteren, H., J.M.N.v.Kasteren@tue.nl) before May 1st of this academic year, to secure a place for the iPoY project in the next academic year. In 2023/24, four (4) SET students can choose to participate in the CBLE-experience. If more than four students will apply for this experience, the order in which applications are received will be decisive.

The graduation project is running in parallel with the iPoY project and the 1ZM170 course. At least 60 EC (instead of 70 EC) of the formally approved study program (art.3.6.3) must have been completed, including the internship.

For more information about the CBLE-experience students can contact their academic advisor.