

Train-the-trainer session

Location: Museum of Mineralogy, School of Mining and Metallurgical Engineering,

NTUA Zografos Campus - 9 Heroon Polytechniou Str. Zografou 15780, Athens, Greece

Dates: October 12-13, 2022

How to design and plan a course combining field specific topics with entrepreneurial and innovation elements

With the support of Aalto University, a member of the EIT RawMaterials Community, a session is designed for teachers who will be introduced to a top-down approach to designing and planning a university course combining discipline specific elements with entrepreneurial and innovation elements.

The main point of the course is to help teachers create a positive student experience that supports learning of the selected entrepreneurial skills and competences and that supports and enhances the learning of the discipline specific topics. Many entrepreneurial courses at universities are essentially student-team accelerator programs with a strong focus in getting the student team to launch a product/service and start a company. This is NOT the approach that will be taught in this course. Instead, the course focuses on teaching useful entrepreneurial skills and competences together with discipline specific topics. The entrepreneurial skills taught can be used in any work setting, be it a startup, a big corporation, or a government organization looking to improve its performance. This can be done in the context of any discipline (tech, business, design, e.tc.).

The course is based on experience gained while designing both Program's entrepreneurial courses and working with Aalto University staff to include entrepreneurial elements into a wide variety of discipline-specific courses. One of the strongest tools to develop and introduce entrepreneurial elements into courses is the use of small teacher teams and course co-design and co-teaching. Therefore, in the course, the participants will work as small, university-specific teams (min: 2 participants/university).

The course has 2 parts: Part 1 is an intensive, 2-day training and course design session, held in Athens & Part 2 is an optional but strongly recommended follow-up held 2-4 weeks after the course session.

Part 1 will cover the following topics:

Day 1, Wednesday, October 12th

- Identifying the needs and local drivers for integrated courses: student, industry, and university education views
- Task: Description of the context of your course, external and internal drivers, and challenges
- Framing of a course: combining innovation and entrepreneurship with discipline specific topics
- Task: Entrepreneurial framing of the course
- Presentation: Pitching the course to university management

Day 2, Thursday, October 13th

- Choosing entrepreneurial learning outcomes for the course
- Task: Defining key discipline and supporting entrepreneurial learning outcomes for the course
- Creating a course schedule
- Task: Defining a course schedule for the course
- Presentation: Pitching the course to students

Agenda:

Day 1 | 12th of October 2022

09:00 – 09:15	Welcome Coffee
09:15 – 10:45	Identifying the needs and local drivers for integrated courses: student, industry, and university education views
10:45 – 11:00	Break
11:00 – 12:00	Task: Description of the context of your course, external and internal drivers, and challenges
12:00 – 13:00	Welcome Lunch
13:00 – 14:30	Framing of a course: combining innovation and entrepreneurship with discipline specific topics
14:30 – 14:45	Coffee Break
14:45 – 17:00	Task: Entrepreneurial framing of the course Presentation: Pitching the course to university management

Day 2 | 13th of October 2022

09:00 – 09:15	Welcome Coffee
09:15 – 10:45	Choosing entrepreneurial learning outcomes for the course
10:45 – 11:00	Break
11:00 – 12:00	Task: Defining key discipline and supporting entrepreneurial learning outcomes for the course
12:00 – 13:00	Welcome Lunch
13:00 – 14:30	Creating a course schedule
14:30 – 14:45	Coffee Break
14:45 – 17:00	Task: Defining a course schedule for the course Presentation: Pitching the course to students

Part 2 consists of feedback collection sessions at the university and a 1 hour online debrief session to discuss the feedback and ideas on how to respond to it, carried out within 2-4 weeks of the training. The feedback collection session should optimally include these three elements:

1. A session with one or more relevant university decision-makers (e.g. program managers or deans of education or similar)
2. A session with one or more relevant industry representatives
3. A session with a small group of relevant students

Requirements to join:

- Target: Sessions targeted at the staff actively involved in **university-level training**, planning to include entrepreneurial elements into their teaching. **Persons involved in program and curriculum planning** will also benefit from participation. Moreover, **external stakeholders** interested in supporting the introduction of entrepreneurial thinking and teaching at the universities are welcome to join as members of the university teams
- Team size: **Minimum 2 participants per participating university** that want to work together to co-design a course (team size can be also 3, if 4 or more persons participate from the same university, please form multiple teams).
- Courses: **Example course to be developed in the training** (this can be either a new course or an existing course to be revised to become more entrepreneurial).
- Participation: The sessions form a step-by-step approach to building a university course where the modules are built on top of each other. The participants should be available for **all the 2 sessions to meaningfully complete the course**

Organizers and further information:

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