

**A student of Business or Technology,  
are you interested in participating in a joint online  
Finnish-Vietnamese study course on the topic of:**

**Smart and Holistic Sustainability 1  
(2 ECTS credits)**

Foreign Trade University (FTU), Thai Nguyen University of Technology (TNUT) and Seinäjoki University of Applied Sciences (SeAMK) are together organizing a joint study course during 7 March – 29 April 2022.

Finnish and Vietnamese students are studying together and the course is taught in collaboration of Finnish and Vietnamese teachers. The course is studied and taught online.

Please contact your International Office and **sign up for the course by 15 March 2022.**



Foreign Trade University – Thai Nguyen University – Seinäjoki University of Applied Sciences

**Name of the course:**

## **Smart and Holistic Sustainability 1**

**Type:**

Selective course / Additional course / Elective course

**Cycle:**

First cycle

**Language of instruction:**

English

**Mode of delivery:**

Distance learning

**Number of ECTS credits:**

2 ECTS (54 h student work)

**Learning outcomes of the course:**

The student has basic knowledge and understanding about:

- all the three dimensions (ecologic, economic and social) of smart and holistic sustainability
- the environmental factors affecting human beings and their operational environment,
- the relations of sustainable business and production activities with all the interest groups of the company
- the effects of business and production in local, regional and global level
- the modern economic paradigm of mutual value added
- sustainability and circular economy (Cradle to Cradle).

The student is aware about the methods, how to implement smart sustainability and how to minimize the negative effects of business and production to all the holistic sustainability.

**Prerequisites and co-requisites:**

- one year of higher education studies in the field of business or technology / engineering

**Course content:**

- Environmental concepts and factors
- Definitions and dimensions of smart and holistic sustainability
- Renewable and unrenovable natural resources; their utilisation and its affects
- How to simultaneously achieve customer, employee and shareholder value
- Circular Economy, waste management and recycling
- Lean Management in smart and holistic sustainability

**Study material:**

- will be defined by the teachers

**Assessment methods and criteria****Satisfactory**

The student has participated actively in the course. Student has shown in the course ability to comprehend the basic concepts of the course: Student has been able to use the basic concepts of the course in the assignments.

**Good**

The student has carried out work very well and participated actively and constructively. Student has shown in the course ability to comprehend the concepts of the course and apply the concepts in practical business cases: Student has been able to develop solutions in the assignments of the course.

**Excellent**

The student has carried out work to an excellent standard and participated actively and constructively. Student has shown in the course ability to comprehend the concepts of the course and apply the concepts in practical business cases: Student has been able to develop creative solutions in the assignment of the course and is able to evaluate different kind of solutions.

**Responsible teachers:**

- Mr Jorma Imppola, SeAMK Business
- Mr Kimmo Kitinoja, SeAMK Technology
- Mr Minh T. Nguyen, PhD, TNUT
- Phan Hien, FTU

**Requirements for the teachers:**

- Master's level degree or PhD
- a teacher either in the field of business or technology / engineering with a competence and knowledge related to sustainability / sustainable aspects in the fields of business or technology / engineering

**Learning activities and teaching methods:**

- The whole course will be taught online:
  - Online lectures, altogether 16 hours.
  - Case study projects in teams of 4 students, 34 hours including students' group work, student centered independent work and coaching session for a case study project.
  - Final seminar 2 hours: presentations of the case study projects online at the end of the course.

**Teaching / Learning hours and schedule:****Lectures:**

<b>Timing</b>	<b>Lecture topic</b>	<b>Number of teaching hours</b>	<b>Responsible</b>	<b>Name of the teacher(s)</b>
March 28 and 30 at 9:00-11:00 (FI) 14:00-16:00 (VN)	How to achieve holistic sustainability with mutual value added and lean management.	2+2	SeAMK Business	Mr Jorma Imppola, SeAMK
April 4 and 5 at 9:00-11:00 (FI) 14:00-16:00 (VN)	Sustainable technologies.	2+2	TNUT	Mr Minh T. Nguyen, PhD, TNUT
April 13 and 14 at 9:00-11:00 (FI) 14:00-16:00 (VN)	Sustainable business model innovations.	2+2	FTU	Ms Phan Hien, PhD, FTU
April 19 and 20 at 9:00-11:00 (FI) 14:00-16:00 (VN)	Increasing customer, employee and owner value with a modern circular economy and environmental awareness. <ul style="list-style-type: none"> <li>• Reviewing and identifying the current state</li> <li>• Launching development</li> <li>• Confess and inform the environmental impacts</li> </ul>	2+2	SeAMK Technology	Mr Kimmo Kitinoja, SeAMK

**Case study projects:**

<b>Timing</b>	<b>Topic</b>	<b>Number of hours</b>	<b>Name of the teacher(s)</b>
April 21 at 9:00-11:00 (FI) 14:00-16:00 (VN)	Introduction to case studies - product and production development - certification, circular economy	2	All participating teachers

April 21-29	Working in teams of 4 students and student independent studies.	30	Participating teachers will take part in supervising the project work
April 25-28 (one session)	Coaching session (for the student teams working with their project works)	2 30 minutes / one project work	All teachers are available in a Teams meeting

**Final seminar (online):**

<b>Timing</b>	<b>Topic</b>	<b>Number of hours</b>	<b>Responsible</b>
April 29 at 9:00-11:00 (FI) 14:00-16:00 (VN)	Case study / project work presentations by the student teams  (15-20 minutes each)	2	FTU, TNUT, SeAMK Business & Technology  All participating teachers