



# **Sustainable Consultation for companies and sustainable, innovative business models (21 cr)**

Assignments in different modules



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## 1 Sustainable Development.Now (2 credits)

In the Sustainable Development.Now online course, you will learn the basics of sustainability and understand how sustainability is reflected in different sectors. You will also learn what it takes to achieve a sustainable future.

### Assignments

Can be found from a separate Learn environment.

### Teacher

Mukhammadyusuf Shaimardanov, Sr. Lecturer, [mukhammadyusuf.shaimardanov@hamk.fi](mailto:mukhammadyusuf.shaimardanov@hamk.fi)

## 2 Sustainable Energy Production and Storage (5 credits)

### Theme 1: Energy consumption in built environment - Assignments

- Quiz concerning learning material (deadline 31.3.)
- Written reflection task on IEA's energy policy review webinar as well as other material in Learn (deadline 31.3.)

### Theme 2: Energy production technologies - Assignments

- Flipped learning: Teaching and presentation of one energy production technology to a group
- Make a video presentation (max 10 min.) and return it to Learn (deadline 19.1.)
- Watch other students' presentations and write them feedback on their presentations (deadline 31.1.)

### Theme 3: Energy pricing and basics of energy markets, energy system scenarios - Assignments

- District heating pricing assignment with profitability task, instructions in Learn (deadline 31.1.)
- Energy system scenarios reflection assignment: Choose one future scenario of energy systems in Finland and write a short essay (deadline 31.3.)

### Theme 4: Sustainable energy development – Assignments

- Written assignment based on the given articles concerning sustainable energy development.

### Evaluation and grades

Evaluation for the course Sustainable energy production and storage (5cr) is pass / fail. You need to return all the assignments on time and pass them. If you get a fail from an assignment, we will give you feedback on how you can improve your task/solution one time and you have one possibility to return the assignment.

### Teachers

Kaisa Kontu, Principal Research Scientist Dr. (Tech), [kaisa.kontu@hamk.fi](mailto:kaisa.kontu@hamk.fi)

Jussi-Pekka Krankkala, Research Manager, [jussi-pekka.krankkala@hamk.fi](mailto:jussi-pekka.krankkala@hamk.fi)

### **3 Sustainable, innovative business models and Business Design (3 credits)**

- **Unit 1: Introduction to Sustainable Business Models Innovation and Business Design**
- **Unit 2: Sustainable Business Models Innovation and Business Design**
- **Unit 3: Sustainable Business Models**
- **Unit 4: Sustainability in Practice**
- **Unit 5: Sustainability Beyond the Usual Suspects**

#### **Assignments (Units 1-3)**

Please share your thoughts on this unit as well as some key learnings from the reading materials here.

Feel free to share your opinions on following matters:

- what new knowledge you gained
- what do you (dis)agree with
- what new ideas or thoughts did these readings gave you

#### **Assignments (Units 4-5)**

Please, watch all the videos and interact with the quizzes.

#### **Course's main assignment (a case study)**

This assignment aims to provide students with hands-on experience in transforming a linear business model into a sustainable one. Your task is to identify, analyze and suggest sustainability transformation strategies for a company of your choice and how to explore for them alternative sustainable business models. By completing this task, you will:

- Develop practical skills in identifying and addressing sustainability challenges within real-world business contexts.
- Apply theoretical concepts and strategies learned throughout the course to design and implement sustainable business model transformations.
- Enhance your ability to analyze, evaluate, and propose innovative solutions for sustainability-driven business model changes.
- Gain experience in presenting complex business transformation plans in a concise and engaging manner.

**Teachers**

Mukhammadyusuf Shaimardanov, Sr. Lecturer, [mukhammadyusuf.shaimardanov@hamk.fi](mailto:mukhammadyusuf.shaimardanov@hamk.fi)

Ricardo Galiot, Sr. Lecturer, [ricardo.galiot@hamk.fi](mailto:ricardo.galiot@hamk.fi)

## 4 Energy Wisdom in Industries (3 credits)

### Assignments - Course project

In the first part, student will conduct the preliminary assignments (1-3) independently. These assignments target in forming the knowledge based needed to conduct the actual project work. It is recommended to read through all the instructions before you get started. Once completed the preliminary assignments, student can start the actual project work (4), wherein the findings made in the preliminary assignments will be very useful. The project outcome will be a report. At the end, students will prepare presentations on the key findings they made in the project report, and will present them in the closing seminar (5) on Mon, March 31st from 9 am to 4 pm at HAMK Valkeakoski Campus.

### Teacher

Katariina Penttilä, Sr. Lecturer, [katariina.penttila@hamk.fi](mailto:katariina.penttila@hamk.fi)

## 5 ECO informed material choice (5 credits)

### Themes

- Material Life Cycle
- Eco-data, eco audits
- Legislation/Supply chain risks
- Eco informed materials selection strategies

The course is based on the book: Ashby M.F. Materials and the environment: eco-informed material choice

### Assignments

At the end of the module, there will be an exam. The exam will contain of 4 essay questions.

### Teachers

Päivi Laaksonen, Principal Research Scientist, [paivi.laaksonen@hamk.fi](mailto:paivi.laaksonen@hamk.fi)

Juha Jordan, Project Researcher, [juha.jordan@hamk.fi](mailto:juha.jordan@hamk.fi)

## 6 Sustainability Consulting for Companies (5 credits)

Join a team exploring key areas of sustainability consulting—from ethical foundations and analytical tools to client management, strategic communication, and crisis response. Using your chosen real-world business as a consulting case, you'll assess its sustainability challenges, develop stakeholder strategies, and present compelling sustainability solutions with confidence and integrity.

### Assignments

- **Unit activities:** Short exercises to apply key learnings.
- **Final course assignment, Consulting Proposal:** Develop a sustainability consulting case where you assess a real-world company's needs and propose strategic solutions to enhance its sustainability performance.

### Themes:

1. Foundations of Sustainability Consulting
2. Analytical Tools & Problem-Solving for Sustainability
3. Client Management & Sustainability Communication
4. Crisis Management and Presenting result with Compelling Narratives
5. Advanced Topics in Sustainability Consulting

### Teachers

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