



**SE-817-STE**

**SPECIAL TOPICS IN ENERGY I**

**3 ECTS**

**Year of study:** First year MSc.

**Semester:** Fall/Spring.

**Level of course:** 4.-5. Second cycle, introductory-intermediate.

**Type of course:** ***Taught in the Iceland School of Energy.*** Elective for all MSc programs in engineering.

**Prerequisites:** To be announced. Depends on the particular course topic each year.

**Schedule:** Schedule will be introduced in the learning management system Canvas at the beginning of the semester.

**Supervisor:** Juliet Newson.

**Lecturer:** To be announced.

**Learning outcome:** This is a specialized course in sustainable energy, taught by a visiting expert. The topic will vary, depending each year on the area of expertise of the visiting lecturer. Upon completion of the course the student will be able to:

*Knowledge:*

- Explain the concepts that are discussed in the course.
- Describe the context and scope of the models/systems that are covered in the course.
- Understand the processes that enable design and application of models/strategies in this field of study.

*Skills:*

- Use appropriate terminology and models in context.
- Analyze when and what information is needed and how to find it, evaluate it, and apply it.
- Can apply critical analysis to studies and work in this field.

*Competence:*

- Apply the skills in the workplace as a useful collaborative team member.
- Develop plans for further study using acquired knowledge and skills.

**Content:** To be announced. This is a specialized course in sustainable energy, taught by a visiting expert. The topic will vary, depending each year on the area of expertise of the visiting lecturer.

**Reading material; Teaching and learning activities; Assessment methods:** Course dependent. Will be introduced in the learning management system Canvas at the beginning of the semester.

**Language of instruction:** English.