

ENERFT1001 Introduction to engine laboratory research: 1 op

Validity dates

1.4.2021 -

Level

Basic studies

Subject

Energy Technology

Responsible persons

Seppo Niemi

Thesis

Study unit does not contain thesis

Primary teaching language

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Study languages

English

Objectives

After completion of the course the student has basic knowledge of marine engine research environment at the University of Vaasa. This introductory course creates a pathway to minor studies on energy technology (<https://fitech.io/en/studies/energy-technology/>) The course develops analysis skills and written communication skills.

Contents

Virtual tours to marine engine laboratory and fuel laboratory. Introduction of different engine components and monitoring devices. Presentation of laboratory equipment and measuring instruments. Exercises and mathematical problems concerning basic research methods in laboratories.

Modes of study

Approved report including the calculations/solved problems.
Teaching and execution language: English

Teaching methods

Virtual learning environment through LearnDash. Written assignment (report).

Learning material

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Prerequisites

Evaluation scale

Pass/Fail