

Quality Management

Subject area: Mechanical Engineering

University:	TalTech
Level:	MA all years
Teaching mode:	hybrid: some students participate online, other students attend real-life
Instructor(s):	Priit Põdra, Alina Sivitski

Short description

The course is focused on engineering quality assurance principles and basics of quality management in three modules. First module introduces the quality management principles given in ISO 9000 series standards. Second module explains the mandatory requirements to products sold in European Union. An overview of Machinery Directive is given. The third module focusses on ISO GPS system, i.e. product component quality specification on drawing and quality testing basic principles.

Full description

<https://ois2.ttu.ee/uusois/subject/EMT0060>

Learning outcomes

At the end of the course the learner will be able to evaluate the company quality management system and respective certification, implement statistical process control methods and understand the interrelation of quality and its cost.

The learner will be able to discuss the principles of product conformity assessment for EU market and essential requirements to machinery design, control system and documentation.

At the end of the course the learner will be able to implement the basic principles of unambiguous geometry specification on drawing and dimensional metrology, as a quality testing tool in practical engineering.

General information

Contact hours per week:	4
Total workload:	156 (in student hours for the whole course)
ECTS credits:	6

Language: English

Course start date: 01 September 2022
Course end date: 15 January 2023
Add. info about start date:
Weekly teaching day/time:
Time zone: CET +1 (Estonia, Israel)
Further information:

Prerequisites: No
Activities and methods: Lectures, Seminars, Self-study
Presence on campus:

Final examination

Form: assignment
Date:
Location/format: online
Re-sit possibility: yes
Transcript available:
Add. info/requirements:

Registration

To register for this course, follow the registration requirements of your **home university** as specified here: www.euroteq.eu/courses-registration.

Administration

Number of places:
Minimum participants:
Internal course code: EMT0060
Contact: priit.podra@taltech.ee

This course is part of the EuroTeQ Engineering University joint course catalogue 2022/2023. This is a collaborative activity of the partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as Technion. Students from these universities can participate in the offered courses. It is the responsibility of the student to check if you fulfil the requirements to participate in a specific course. Students are also advised to check with their home institution how to get recognition of the ECTS credits gained in courses of the EuroTeQ course catalogue. For further information about EuroTeQ Engineering University, visit www.euroteq.eu or get in touch with the above-mentioned point of contact.