

# Subject Didactics in Various Occupational Fields

## QTI-003.02: Subject Didactics for Metal Technology and Mechatronics

The course introduces advanced didactical concepts, objectives and topics relevant for vocational education in the domain of metal technology and mechatronics.

### Learning outcomes

On completion of the training, participants

- are able to apply didactic knowledge in the vocational field of metal technology and mechatronics
- are able to develop individual didactical concepts
- are able to plan specific learning sequences using action-oriented methods
- are able to recall the structure, development and methodology of metal and mechatronic technology training courses
- are able to apply advanced vocational pedagogical knowledge in the context of TVET

### Contents

- Specific teaching and learning methods in the field of metal and mechatronic occupations and their application
- Development and application of advanced didactical concepts in specific teaching scenarios
- Learning situations and learning task types according to action-oriented approaches
- Aims (competences), contents, methods and media for teaching in metal technology and mechatronics
- Good practice examples

### Formats

- Online training with interactive sequences and exchange.

### Language

- English

### Target groups

- TVET teachers
- In-company trainers
- TVET experts

Preferably from metal or mechatronic occupations

### Participation requirements

- Previous professional knowledge and
- Teaching experience in the mentioned or related occupational fields

### Duration

- 40 h in 1-6 weeks (recommended)

### Equipment

- Notebook / PC
- Stable internet connection
- Integrated or external microphone
- Optional: webcam

### Certificate

The participants will receive a certificate of participation after successful completion of the course.

### Your contact

#### TVET Academy

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