

# Subject Didactics in Various Occupational Fields

## Course 2: Subject Didactics for Metal Technology and Mechatronics

### TOPICAL AREA: Qualification of TVET Teachers and Instructors

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

- **Content, elements, format and duration can be customized to the respective needs**

#### 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

Virtual format or blended learning format implemented with the following methods:

- Workshop/ seminar
- Online activities
- One-on-one mentoring
- Individual work/ self-learning
- Cooperative work

#### LANGUAGE

- English
- German
- Upon request: other languages with interpreters

#### 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

Academy for International Cooperation  
Deutsche Gesellschaft für Internationale  
Zusammenarbeit (GIZ) GmbH

E [tvvet-academy@giz.de](mailto:tvvet-academy@giz.de)

I [www.giz.de/tvet-academy](http://www.giz.de/tvet-academy)