

Innovative Teaching and Learning for Industry 4.0

Sample Course 4: The Work-process based Curriculum Design for Industry 4.0

This course initiates the participants' abilities to carry through work-process analyses for curriculum design and development. This approach will respond to labour market needs. Industry 4.0 requirements will be in the centre of the training. It is important to include the social implications of work in relation to each specific cultural context.

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

Learning outcomes

On completion of the training, participants

- explain the importance of curricula as the backbone for quality of learning
- state of differentiated approaches to develop a curriculum related to IR4.0
- decide on the best way of curriculum development in relation to the required competences and work processes
- analyse industry-related work processes
- design and develop work-process based curricula,
- implement a self-reliant learning model linked to a work-process based curriculum
- evaluate curricula

Contents

- Curriculum Design in the context of IR4.0,
- Labour market needs,
- Approaches for curriculum design and development,
- Work process-based curriculum,
- Guidelines for development of detailed curriculum
- Work-process analyses
- Application of self-reliant learning approach

Formats

Virtual format implemented with following methods:

- Online-seminar
- Individual work/ Self-Learning
- Cooperative work

Language

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

Target groups

- TVET teacher and In-company trainer
 - TVET experts
 - Curriculum developer
- from all occupational fields

Participation recommendations

- one year experience as a TVET teacher
- qualified in a technical field

Duration

- 40 hrs (recommended)
- Additional 20 hrs preparation/follow-up

Certificate

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

Your contact

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