

# Corrosion in practice

## Recognition and prevention

### Online Training

## ***ONLINE TRAINING IN ENGLISH LANGUAGE*** ***in cooperation with METALogic***

### ✓ Training objectives

In order to prevent corrosion, knowledge about the different corrosion mechanisms is needed. The goal of this training course is to provide the basics to understand the different corrosion forms and tools how to prevent corrosion in practice.

The first part of the course deals with the fundamentals of corrosion. We believe that basic knowledge of corrosion theory facilitates understanding of the different corrosion mechanisms. The course is illustrated with examples of failure cases so that the participant learns how to recognize the different forms. In the third part the focus is on corrosion prevention and mitigation. An overview of the different engineering materials will be given together with their use and limitations. Other means of corrosion prevention that are included in this course are the use of inhibitors (treating the medium), galvanic protection, coatings and liners (reducing the metals' vulnerability).

### ✓ Topics

- Module 1: Fundamentals of corrosion
- Module 2: Corrosion mechanisms:
  - Uniform corrosion
  - Pitting corrosion
  - Galvanic corrosion
  - Crevice corrosion
  - Microbiologically influenced corrosion
  - Stress-corrosion cracking
  - (Corrosion-) fatigue
  - Corrosion under insulation (CUI)
- Module 3: Prevention and mitigation:
  - Material selection
  - Treating the medium
  - Reducing the metals' vulnerability

### ✓ Target group

People with a technical background in general and engineers (e.g. maintenance and reliability engineers) in particular. However, the program can be followed by anyone with interest in materials or who wants to understand how materials interact with the environment.

## ✓ Course completion

Confirmation of Participation

## ✓ Requirements for attendance

No requirements

## ✓ Dates

Please mark the desired date and return the scanned form by E-Mail.

x	Course-no.	Course	Date	Duration	Location	Cost excl. VAT
<input type="radio"/>	21.806.011.02	Corrosion in Practice	16.11.2021	6 TU	Online Training Course	€ 550,-
<input type="radio"/>	22.806.011.01	Corrosion in Practice	22.03.2022	6 TU	Online Training Course	€ 550,-

We are interested in implementing an Inhouse-Training. Please contact us.

## ✓ Information & contact

The International Training Courses are offered in English language as inhouse trainings on demand and partly as classroom trainings through our affiliate companies as well as online training courses.

We would be glad to send you an offer tailored to meet the needs of your company. Please give us some detailed information about your needs!

For further information, please contact: [academy@tuv.at](mailto:academy@tuv.at), +43 50454-8174

# Registration: [academy@tuv.at](mailto:academy@tuv.at) | [www.tuv-academy.at](http://www.tuv-academy.at)

Company	
Address (street address, postal code, city)	
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Please send the invoice: <input type="checkbox"/> to the following email address: <input type="checkbox"/> by post	
Title	First name
Last name	
Position	Date of birth (for confirmation of participation)
Telephone number	Your order number (if applicable)
Personal email address of the participant	Date/stamp

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