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**COURSE DESCRIPTION****INTCV551****Power Transformers - Level 1****The goal**

The goal of the course is to provide a complete foundational understanding of the internal and external elements of the transformer and fundamentals of transformer operation and maintenance.

**Learning objectives**

Upon completion of this course, participants will:

- become conversant in basics of transformer design and construction
- understand operation and maintenance.

**Participant profile**

Personnel from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations.

**Prerequisites**

This course requires working knowledge of basic electricity. Students must wear safety toe shoes or boots while entering the labs. No shorts or sandals will be allowed.

**Topics**

- Basic Electrical Concepts regarding Transformers
- Introduction to Transformers – Construction, Operation, Accessories, cooling methods,
- Testing on of power transformer.
- Erection, commissioning, maintenance, Trouble shooting.
- Q & A, Open Discussion

**Course type**

This is a face to face class room training.

**Learning methods and tools**

Lectures, demonstrations and visit of transformer shop floor factory. The language of the course is English

**Laptop** or tablet is required to have access to the e-documentation. Please bring your own device.

**Duration**

The duration of the course is two days.

**To Register:**

LMS:-[MyLearning](#)

Sign In: check [IE browser setting](#) Click SIGN IN to Sign-up or Log-in with your ABB account.

Search: please enter course number INTCV551 into the search field. (Please check the language filter EN)

The latest version of the course portfolio, and course schedule can be found on our

**ABB PowerTEC Webpage :**

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