



## Introduction to Multidisciplinary Concepts in Railway Engineering

Presented by the TFR Chair in Railway Engineering and the RSR Chair in Railway Safety in the Department of Civil Engineering, University of Pretoria

5 CPD points from ECSA

The **Introduction to Multidisciplinary Concepts in Railway Engineering** short course is ideal for you if you are from any engineering discipline and have reasonable experience in the railway environment. On this course, you will not only be introduced to the multidisciplinary aspects of railway engineering, but you will also be equipped with a knowledge of the basic principles of and general background to the field, with a specific focus on how railway transport systems operate.

This course is presented as part of the Railway Engineering Education Programme and as part of the Railway Occurrence Investigation Programme (ROIP) of the University of Pretoria.



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### Course content

- Transport in context
- Track technology
- Rolling stock technology
- Electrical traction technology
- Train authorisation technology/signalling
- Railway operating technology

### Learning outcomes

After successfully completing this course, you will be able to develop an appreciation for the complexities of the multidisciplinary interrelationships of the railway system.

### Who should enrol?

This course is ideal for you if you are employed as a railway engineer or railway transport operator with reasonable experience in the field.

### Course fees

**R11 716.00 (VAT incl.) per Transnet and RSR delegate**

**R12 811.00 (VAT incl.) per non Transnet/RSR delegate**

Course fees include all course material, a textbook, lunch and refreshments during contact days.

### Admission requirements

Prospective delegates should at least have a National Senior Certificate (Grade 12) and/or relevant work experience.

### Accreditation and certification

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### Registration and enquiries

#### Course coordinator

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#### Course leader

Pierre Lombard

Programme Manager: Chair in Railway Engineering

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