

**Institute for Transport Studies**

FACULTY OF ENVIRONMENT



**UNIVERSITY OF LEEDS**

# Continuing Professional Development

Short Courses

[www.its.leeds.ac.uk/courses/cpd](http://www.its.leeds.ac.uk/courses/cpd)

# Continuing Professional Development

## Short Courses

### Deterioration and Maintenance of Pavements

This is a 5-day course delivered by experienced engineers. Topics include the design of pavements, materials, highway management, forms of deterioration and investigative techniques, repair, maintenance and strengthening. On completion, delegates will have an understanding of the most common forms of deterioration; a knowledge of investigative techniques to identify these; an awareness of remedial measures; be able to select the most practical & economic action; plus awareness of the wider process of managing the highway asset.

### Stated Preference Methods

This set of two courses covers the essential principles involved in the use of Stated Preference techniques to examine choice behaviour. The courses look separately at the topics of choice modelling and stated preference survey design. Attending just one of the two modules is possible and is suitable for those who already have a grounding in one of the topics or who simply wish to deepen their understanding. Both courses provide delegates with extensive hands-on experience using computer classes, and for comprehensive understanding we strongly recommend attendance at both courses.

### Transport Investment Appraisal

This course equips participants with skills to undertake transport investment appraisal. Starting from the principles of cost-benefit analysis and financial appraisal, the course covers the key methods and techniques, and includes worked examples and case studies from road and rail, as well as multi-modal packages. It is suitable for those new to the field and for more experienced.

### Transport in Developing Countries

This course examines the economic, financial, institutional and demographic characteristics of developing countries and their significance for transport sector policies. It focusses on development policy in developing countries and its role in determining transport policy. The course also covers a range of current and relevant topics including: - road infrastructure investment; - rural road policy and investment; - road maintenance planning, infrastructure finance including the contribution of the private sector; - the roles of mass-transit; - the informal sector and non-motorised modes.

### Passenger Demand Forecasting Handbook

This course explains the demand forecasting principles underlying the Passenger Demand Forecasting Handbook (PDFH 5), as widely used in the UK railway industry, and provides a step-by-step guide to the forecasting procedures contained within it. A wide range of worked examples are covered and a workshop tackles a series of practical demand forecasting problems using software to apply PDFH recommendations to real-world situations. The course is designed for railway managers and consultants involved in rail demand forecasting.

### Road Safety

This course provides a good understanding of the major aspects of road safety, covering strategies and targets, crash causation, the range of countermeasures, road safety audit, and new technologies. It uses a mix of lectures, small group activities and site visits so as to provide a variety of instructional methods and allow the participants to gain both theoretical and practical.

### Introduction to SATURN

This course introduces SATURN (Simulation and Assignment of Traffic to Urban Road Networks) software. Participants explore the features of the latest software release via practical exercises incorporating significant hands-on experience. It is suitable for those who have little familiarity with or no formal training in SATURN and for anyone wishing to understand the principles of congested network assignment models.

### Further information & how to book

All courses are designed to contribute to the CPD requirements of the relevant professional bodies. Except where stated, courses are held at the Institute for Transport Studies, University of Leeds. The **courses can also be delivered as bespoke or in-company training on alternative dates and at other locations**. Course bookings and other enquiries can be made via the Courses Co-ordinator using the contact details below: