

Course Brochure

ViaEd has been established to facilitate education and training of professionals working in the field of Transportation Engineering. This field is a sub-discipline of Civil Engineering and is aimed at the provision of efficient and adequate transportation infrastructure to society. Viaed runs a number of short courses in the field of transportation engineering. The courses will be accredited with the Engineering Council of South Africa (ECSA) for CPD points while the courses will be presented by experts in their respective fields. More details of the courses can be found on the ViaEd website.



Course R01: Road Classification and Access Management

This course is on the TRH 26 South African Road Classification and Access Management Manual which is the official manual for the functional classification and access management of roads in the country. Road classification and access management is a fundamental requirement for the safe and efficient operation of roads and should therefore be implemented by all road authorities in the country.



Course E01: Socio-Economic Analysis of Road Projects

This course is on TMH 20 Socio-Economic Analysis of Road Projects which is the official manual for the cost-benefit analysis of road projects in South Africa. The manual contains requirements for when such analysis must be undertaken and sets out the methodologies that must be followed in the analysis. It also provide an overview of the most important principles involved in the analysis.



Course M01: Traffic Impact and Site Traffic Assessments

This course is on the TMH 16 South African Traffic Impact and Site Traffic Assessment Manual. This is the official manual that is prescribed for Traffic Impact Assessments (TIAs) and Site Traffic Assessments (STAs) in the country. The manual is published in two volumes and the course will cover both these volumes. The course also covers the related TMH 17 South African Trip Data Manual.



Course M02: Municipal Development Charges for Roads

This course is on the TMH 15 South African Engineering Service Contribution Manual for Municipal Road Infrastructure. This manual contains the procedures and methods for municipalities to establish policies and bylaws on development charges (engineering service contributions) for road infrastructure. The course will cover both the legal and technical aspects of such charges, including the processes that must be followed by a municipality when establishing a system for levying charges.



Course T01: Traffic Monitoring Methodologies and Procedures

This course is based on TMH 8 Traffic and Axle Load Monitoring Methodologies and Procedures. This document describes the traffic monitoring programmes that must be implemented by road authorities, including the statistical methods that must be followed for deriving various traffic characteristics from collected data. This is an advanced course that requires some knowledge of sampling theory and statistical distributions.



Course T02: Traffic Monitoring Systems and Services

This course is based on TMH 3 Specifications for the Provision of Traffic and Weigh-in-Motion Monitoring Services. The TMH 14 South African Standard Data Collection Format manual is also included in the course. This course is primarily intended for professionals in road authorities that are responsible for establishing traffic monitoring programs as well as persons that are involved with the provision of monitoring systems and services. However, all transportation and traffic engineering professionals will also benefit from attending the course.

Contact Us!

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