



University of Pretoria Yearbook 2021

Basic pavements and transportation 787 (SGM 787)

Qualification Postgraduate

Faculty [Faculty of Engineering, Built Environment and Information Technology](#)

Module credits 24.00

NQF Level 08

Prerequisites No prerequisites.

Contact time 40 Contact hours

Language of tuition Module is presented in English

Department Civil Engineering

Period of presentation Year

Module content

Pavements: The geological cycle and origin of road building materials, soil testing and classification systems, compaction, stabilization, bitumen, introduction to pavements, principles of pavement design and management. Transportation: Introduction to traffic analysis techniques, capacity and level of service concepts, traffic signal design, road geometric design, transport demand models and road safety engineering.

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