

# University of Pretoria Yearbook 2016

## Basic pavements and transportation 787 (SGM 787)

**Qualification** Postgraduate

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

**Module credits** 24.00

**Programmes** [BScHons Applied Science Applied Science: Transportation Planning](#)  
[BScHons Applied Science Applied Science: Water Resources](#)

**Prerequisites** No prerequisites.

**Contact time** 40 Contact hours

**Language of tuition** English

**Academic organisation** Civil Eng

**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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