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# University of Pretoria Yearbook 2017

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## Basic pavements and transportation 787 (SGM 787)

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| <b>Qualification</b>          | Postgraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Engineering, Built Environment and Information Technology</a> |
| <b>Module credits</b>         | 24.00  |
| <b>Programmes</b>             | <a href="#">BScHons Applied Science Transportation Planning</a>                      |
| <b>Prerequisites</b>          | No prerequisites.  |
| <b>Contact time</b>           | 40 Contact hours   |
| <b>Language of tuition</b>    | Module is presented in English   |
| <b>Academic organisation</b>  | Civil Eng  |
| <b>Period of presentation</b> | 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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