

University of Pretoria Yearbook 2020

Transportation engineering 323 (SVC 323)

Qualification Undergraduate

Faculty Faculty of Engineering, Built Environment and Information Technology

Module credits 16.00

Programmes BEng Civil Engineering

BEng Civil Engineering ENGAGE

Prerequisites BES 220

Contact time 2 practicals per week, 4 lectures per week

Language of tuition Separate classes for Afrikaans and English

Department Civil Engineering

Period of presentation Semester 2

Module content

Introduction to transportation engineering; vehicle performance and motion; traffic analysis techniques; traffic data collection; capacity and level of service analysis; railway engineering; airport capacity; geometric road design; cross-section, horizontal and vertical alignment; urban streets; layout considerations and intersection design; traffic control; traffic safety.

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