

University of Pretoria Yearbook 2020

Pavement design 793 (SGC 793)

Qualification Postgraduate

Faculty Faculty of Engineering, Built Environment and Information Technology

Module credits 24.00

Programmes BEngHons Transportation Engineering

BScHons Applied Science Transportation Planning

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

A research term paper will be prepared.

Design philosophy in First and Third World environments; characterising and use of pavement materials; drainage; systems approach to layout, geometric and pavement design; stresses and strains in pavements; mechanistic design methods and elasto-plastic behaviour; economic analysis; designing pavements for streets, gravel and paved roads, runways, and industrial areas. Report writing.

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