

# University of Pretoria Yearbook 2022

## Geometric design and safety 791 (SVV 791)

**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

A research term paper will be prepared.

Rural/Peri-urban road networks: transportation policy, standards and safety, environmental quality, capacity, design, interchanges. Urban street networks: functional classes, town planning considerations, capacities, environment, safety, standards design, evaluation of road networks.

Traffic safety in global and national context, Road Safety Engineering and the assessment and interpretation of accident information, reactive and proactive identification of remedial measures, traffic safety strategies: 3E model and Haddon matrix.

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