

# University of Pretoria Yearbook 2022

## Civil engineering economics 310 (SIE 310)

**Qualification** Undergraduate

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

**Module credits** 8.00

**NQF Level** 07

**Programmes** [BEng \(Civil Engineering\)](#)

[BEng \(Civil Engineering\) ENGAGE](#)

**Prerequisites** No prerequisites.

**Contact time** 2 lectures per week, 2 other contact sessions per week

**Language of tuition** Module is presented in English

**Department** Civil Engineering

**Period of presentation** Semester 1

### Module content

Introduction to engineering economics: Basic guidelines, assessment of alternative investment possibilities.

Equal annual cash flow, current value, internal rate of return, cost benefit relationship.

Economic evaluation of projects: Influence of depreciation on the economics of projects, determination of income tax implications of decisions, economic analysis of multiple alternatives, the influence of inflation on the economics of projects, application of the theory of probability for economics studies, economic studies on the replacement of equipment.

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.