



University of Pretoria Yearbook 2017

Civil engineering economics 310 (SIE 310)

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| Qualification | Undergraduate |
| Faculty | Faculty of Engineering, Built Environment and Information Technology |
| Module credits | 8.00 |
| 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 |
| Academic organisation | Civil Eng |
| 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.

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