



University of Pretoria Yearbook 2021

Computer engineering design 320 (ERD 320)

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| Qualification | Undergraduate |
| Faculty | Faculty of Engineering, Built Environment and Information Technology |
| Module credits | 16.00 |
| NQF Level | 07 |
| Programmes | BEng Computer Engineering BEng Computer Engineering ENGAGE |
| Prerequisites | EMK 310 GS |
| Contact time | 1 tutorial per week, 2 lectures per week, 2 practicals per week |
| Language of tuition | Module is presented in English |
| Department | Electrical, Electronic and Computer Engineering |
| Period of presentation | Semester 2 |

Module content

In this module, students are required to generate a creative system design through synthesis and integration of components and subsystems. Students have to acquire technical knowledge through independent learning, and demonstrate a competency to work in a technical design team to realise and demonstrate a working product. This practical component is augmented by theoretical instruction in the fundamentals of system engineering, industry standards and practices, PCB layout techniques, and packaging technology.

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