

University of Pretoria Yearbook 2018

Introduction to laboratory measurements and computer simulations 101 (EMR 101)

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| Qualification | Undergraduate |
| Faculty | Faculty of Engineering, Built Environment and Information Technology |
| Module credits | 4.00 |
| Programmes | BEng Computer Engineering BEng Computer Engineering ENGAGE BEng Electrical Engineering BEng Electrical Engineering ENGAGE BEng Electronic Engineering BEng Electronic Engineering ENGAGE |
| Prerequisites | No prerequisites. |
| Language of tuition | Separate classes for Afrikaans and English |
| Department | Electrical, Electronic and Computer Engineering |
| Period of presentation | Year |

Module content

This module is presented at the end of the first semester during the recess period and lasts for one week. This module serves as an introduction to measurement techniques and basic principles of a laboratory for electrical, electronic and computer engineering students. It also provides basic training in a computer simulation environment (Matlab, including Simulink) in the computer laboratories. The importance and complementary nature of simulations and accurate experimental measurements is emphasized in the module.

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