

University of Pretoria Yearbook 2017

Microwave theory 780 (EMM 780)

Qualification Postgraduate

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

Module credits 32.00

Programmes [BEngHons Electronic Engineering](#)

Prerequisites Microwaves and antennas EMZ 320 or equivalent

Contact time 32 contact hours per semester

Language of tuition Module is presented in English

Academic organisation Electrical, Electronic and Com

Period of presentation Semester 1

Module content

Review of EM theory and transmission lines, analysis of transmission lines and waveguides, microwave network analysis, impedance matching, power dividers, couplers and hybrids, microwave filters.

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