

University of Pretoria Yearbook 2021

Earth studies 224 (AAL 224)

Qualification Undergraduate

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

Module credits 4.00

NQF Level 06

Prerequisites No prerequisites.

Language of tuition Module is presented in English

Department Architecture

Period of presentation Quarter 4

Module content

Environmental filters and forecasting techniques:

Sound: the physical nature of sound, physiology of hearing, sound and noise sources, transfer, absorption and isolation, noise control; measurement, levels, frequency analysis, A-loading, room acoustics, reverberation periods.

Light: properties of natural light, design criteria, daylight factors, diffusion, quality, energy requirements and saving.

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