



University of Pretoria Yearbook 2021

Advanced remote sensing 705 (GMA 705)

Qualification Postgraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 15.00

NQF Level 08

Programmes [BSocSciHons Geographical Sciences Geography and Environmental Science](#)

[BScHons Geography and Environmental Science](#)

[BScHons Geoinformatics](#)

[BScHons Meteorology](#)

Prerequisites GMA 320 or equivalent

Contact time 28 contact hours per semester

Language of tuition Module is presented in English

Department Geography Geoinformatics and Meteorology

Period of presentation Semester 1 or Semester 2

Module content

The aim of the module is to provide knowledge and understanding of image analysis and information extraction methods in remote sensing. The emphasis is on equipping students with knowledge and skills necessary to process imagery to extract diverse biophysical and geospatial information. The course gives insight into the possibilities and limitations of the application of modern remote sensing/image acquisition systems for Earth and atmosphere research purposes at different levels of detail.

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