



# 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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