



University of Pretoria Yearbook 2019

Cartography 110 (GMC 110)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 10.00

Programmes BSc Computer Science

BSc Information and Knowledge Systems

BSc Extended programme - Physical Sciences

BSc Geography

BSc Geoinformatics

BSc Meteorology

Service modules Faculty of Engineering, Built Environment and Information Technology

Prerequisites No prerequisites.

Contact time 3 lectures per week, 1 practical per week

Language of tuition Module is presented in English

Department Geography Geoinformatics and Meteorology

Period of presentation Semester 2

Module content

History, present and future of cartography. Introductory geodesy: shape of the earth, graticule and grids, datum definition, elementary map projection theory, spherical calculations. Representation of geographical data on maps: Cartographic design, cartographic abstraction, levels of measurement and visual variables. Semiotics for cartography: signs, sign systems, map semantics and syntactics, explicit and implicit meaning of maps (map pragmatics).

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