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# University of Pretoria Yearbook 2016

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## Sedimentology 253 (GLY 253)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	12.00
<b>Programmes</b>	<a href="#">BSc Environmental and Engineering Geology</a> <a href="#">BSc Environmental Sciences</a> <a href="#">BSc Geography</a> <a href="#">BSc Geoinformatics</a> <a href="#">BSc Geology</a> <a href="#">BSc Physics</a>
<b>Prerequisites</b>	CMY 117, CMY 127, GLY 155, GLY 161, GLY 162, WTW 114/WTW 158 and PHY 114
<b>Contact time</b>	4 lectures per week, 2 practicals per week
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Geology
<b>Period of presentation</b>	Quarter 3

### Module content

Introduction to sedimentology; grain studies; composition and textures of sedimentary rocks; flow dynamics and behaviour of sediment particles in transport systems; description and genesis of sedimentary structures; diagenesis; depositional environments and their deposits, modern and ancient; chemical sedimentary rocks; economic sedimentology; field data acquisition from sedimentary rocks and writing of reports; sieve analysis; Markov analysis; analysis of palaeocurrent trends; interpretation of sedimentary profiles.

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