

# University of Pretoria Yearbook 2016

## Atmospheric chemistry 812 (AQM 812)

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|-------------------------------|-----------------------------------------------------------------|
| <b>Qualification</b>          | Postgraduate                                                    |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a>    |
| <b>Module credits</b>         | 15.00                                                           |
| <b>Programmes</b>             | <a href="#">MSc Option: Air Quality Management (Coursework)</a> |
| <b>Prerequisites</b>          | No prerequisites.                                               |
| <b>Contact time</b>           | 1 lecture per week                                              |
| <b>Language of tuition</b>    | English                                                         |
| <b>Academic organisation</b>  | Geography, Geoinf + Meteor                                      |
| <b>Period of presentation</b> | Year                                                            |

### Module content

The history of atmospheric pollution. Cycles of matter and atmospheric transformations. Gaseous inorganic pollutants. Gas phase organic pollutants. Particulates. The chemistry of atmospheric environmental problems, including acid rain; global warming; ozone depletion; persistent organic pollutants; and photochemical smog. Atmospheric monitoring: sampling methods; sampling strategies; and analytical techniques.

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