

# University of Pretoria Yearbook 2021

## Water quality management and research 787 (WQB 787)

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| <b>Qualification</b>          | Postgraduate  |
| <b>Faculty</b>                | <a href="#">Faculty of Engineering, Built Environment and Information Technology</a>  |
| <b>Module credits</b>         | 32.00   |
| <b>NQF Level</b>              | 08  |
| <b>Programmes</b>             | <a href="#">BScHons Applied Science Environmental Technology</a><br><a href="#">BScHons Applied Science Water Utilisation</a> |
| <b>Contact time</b>           | 32 contact hours per semester   |
| <b>Language of tuition</b>    | Module is presented in English  |
| <b>Department</b>             | Chemical Engineering  |
| <b>Period of presentation</b> | Semester 1 or Semester 2  |

### Module content

Water quality parameters: physical, chemical, biological, microbiological; Units of expression; Evaluation of parameters; Methods of analysis and practical laboratory analyses; Water quality interpretation, evaluation and assessment, water quality guidelines and requirements for domestic, industrial, agricultural, ecological, recreational requirements; Limnology and water quality in rivers and lakes; Surface water modelling; Ground water quality and assessment; Regulatory aspects including all relevant legislation; Integrated environmental management, integrated pollution control; Procedures to assess effluent discharge impacts; and Water quality management, policies and procedures, role of catchment management agencies, and catchment management plans.

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