

# University of Pretoria Yearbook 2022

## Fundamentals of technology management 802 (ITB 802)

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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>         | 10.00   |
| <b>NQF Level</b>              | 09  |
| <b>Programmes</b>             | <a href="#">MEng (Technology and Innovation Management) (Coursework)</a><br><a href="#">MSc (Technology and Innovation Management) (Coursework)</a> |
| <b>Prerequisites</b>          | No prerequisites.   |
| <b>Contact time</b>           | 20 contact hours per semester   |
| <b>Language of tuition</b>    | Module is presented in English  |
| <b>Department</b>             | Engineering and Technology Management   |
| <b>Period of presentation</b> | Semester 1 or Semester 2  |

### Module content

Technology is often seen as the engine of economic growth. Technology management is therefore an important function within any organisation. Technology is present over the whole lifecycle of innovation projects and its activities. The typical technology management activities are Identification, Selection, Acquisition, Learning, Exploitation and Protection. Organisations should be able to master this portfolio of technology management activities to be competitive, especially in a technology and innovation environment. The module therefore addresses themes such as Technology Intelligence and Scanning, Technology Forecasting, Emerging Technologies, Technological capability assessment and development, R&D Management, Technology Transfer, Technology Planning, and Roadmapping and Technology Protection.

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