

# University of Pretoria Yearbook 2018

## Sobolev spaces 880 (WTW 880)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	0.00
<b>Prerequisites</b>	Measure theory, Differential equations and Functional analysis on honours level
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Mathematics and Applied Mathematics
<b>Period of presentation</b>	Semester 1

### Module content

\*Consult with the Head of Department of Mathematics and Applied Mathematics about the availability of this master's course in a particular year.

Mathematics about the availability of this masters module in a particular year. The module focuses on the Hilbertian Sobolev spaces as well as to their applications to elliptic boundary value problems. Topics to be discussed include: Distributions; Sobolev spaces of positive and negative integer orders; Sobolev spaces of traces; Embeddings of Sobolev spaces; Boundary value problems.

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