

# MATH 7005 APPROXIMATION THEORY

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**Credit Points** 20

**Legacy Code** 301060

**Coordinator** Ante Prodan ([https://directory.westernsydney.edu.au/search/name/Ante Prodan/](https://directory.westernsydney.edu.au/search/name/Ante%20Prodan/))

**Description** Approximation theory is concerned with approximating functions of a given class using functions from another, usually more elementary, class. The efficient solution of such problems is of great importance for computing, and this online unit will provide a general introduction to the mathematical theory behind many approximation methods in common use.

**School** Computer, Data & Math Sciences

**Discipline** Mathematics

**Student Contribution Band** HECS Band 1 20cp

**Level** Postgraduate Coursework Level 7 subject

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
TMA - 4 questions	Maths equivalent to 1500 words	15	N	Individual
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Final examination	3 hours	55	Y	Individual

Teaching Periods