

# MATH 1002 ANALYTICS PROGRAMMING

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**Credit Points** 10

**Legacy Code** 301107

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

**Description** This subject covers the use of computers and computer programming for Data Science. After briefly considering spreadsheet systems, the subject will consider programming in the statistical system "R" in depth. Finally, other special purpose languages will be touched briefly (eg. SQL).

**School** Computer, Data & Math Sciences

**Discipline** Computer Science

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

## Assumed Knowledge

Familiarity with computer software programs such as Excel.

## 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/<br>Group Task | Mandatory |
|----------------|--------------------------------------|---------|-----------|---------------------------|-----------|
| Online Quizzes | 5x 30 min                            | 20      | N         | Individual                |           |
| Computer Test  | Lab based<br>1 hour<br>practical     | 40      | N         | Individual                |           |
| Assignment     | 3 weeks/<br>approx.<br>2000<br>words | 40      | N         | Individual                |           |