

ELEC 1009 ELECTRICAL CIRCUIT FUNDAMENTALS

Credit Points 10

Legacy Code 301336

Coordinator Leigh Sheppard ([https://directory.westernsydney.edu.au/search/name/Leigh Sheppard/](https://directory.westernsydney.edu.au/search/name/Leigh%20Sheppard/))

Description This subject will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. This subject is an introductory unit in Electrical Engineering, which provides an introduction to electrical circuits and fundamental electrical elements as well as the technical skills to analyse such circuits. It is suitable for students pursuing further studies in Electrical Engineering such as Power and Energy, Telecommunications, Control, Instrumentation, as well as other related engineering disciplines including Computer Science and Engineering. In the practical section, this course provides hands-on experience in building and testing circuits. This subject is presented in such a way that students who have taken it are capable of building and analysing some practical, useful devices afterwards.

School Eng, Design & Built Env

Discipline Electrical Engineering

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 1 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 | Mandatory |
|--------------------|--|---------|-----------|---------------------------|-----------|
| Quiz | 40 Minute quiz during 2 hour tutorial (7 in total) | 15 | N | Individual | N |
| Intra-session Exam | 75 Minutes | 20 | N | Individual | N |
| Practical | 1 x report per practical (7 in total) | 10 | Y | Individual | N |
| Practical Exam | 2 hours | 10 | Y | Individual | N |
| Final Exam | 2 hours | 45 | N | Individual | Y |