# ELEC 1009 ELECTRICAL CIRCUIT FUNDAMENTALS

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ELEC1009_22-SPR_PC_D#subjects)

**Credit Points** 10

**Legacy Code** 301336

**Coordinator** Leigh Sheppard (https://directory.westernsydney.edu.au/search/name/Leigh Sheppard/)

**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 unit 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 HECS Band contribution amount 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.

| Item | Length | Percent | Threshold | Individual/ Group Task |
|------|--------|---------|-----------|------------------------|
| Quiz | 40 Minute quiz during 2 hour tutorial (7 in total) | 15 | N | Individual |
| Intra-session Exam | 75 Minutes | 20 | N | Individual |
| Practical | 1 x report per practical (7 in total) | 10 | Y | Individual |
| Practical Exam | 2 hours | 10 | Y | Individual |
| Final Exam | 2 hours | 45 | N | Individual |

Teaching Periods

## Spring

### Parramatta City - Macquarie St

**Day**

**Subject Contact** Leigh Sheppard (https://directory.westernsydney.edu.au/search/name/Leigh Sheppard/)