



## Learning and Assessment Plan

This learning and assessment plan outlines how this unit or cluster of units will be delivered and assessed. The schedule of learning topics, assessments and the due date for assessments is included.

|   |                 |
|---|-----------------|
| <b>Qualification national code and title:</b> | Choose an item. |
| <b>Delivery Period:</b>                       |                 |
| <b>Cluster Name (if applicable)</b>           | N/A             |

|  |  |
|--|--|
| <b>National ID and Name of unit</b>  |  |
| UEECD0046 - Solve problems in single path circuits   |  |
| You can access the full unit/s of competency here: <a href="https://training.gov.au/Training/Details/">https://training.gov.au/Training/Details/</a> (insert unit number here) |  |
| <b>Delivery Location/s (Campus/Room/Online):</b>   |  |

|   |               |               |                      |                      |
|---|---------------|---------------|----------------------|----------------------|
| <b>Student Learning Resources, text, equipment (Required/Optional)</b>    |               |               |                      |                      |
| Electrical Principles 5 <sup>th</sup> Edition (Cengage) by Peter Phillips |               |               |                      |                      |
| <b>Lecturer Name:</b>   | <b>Phone:</b> | <b>Email:</b> | <b>Contact times</b> | <b>Campus / Room</b> |
|   |               |               |                      |                      |
|   |               |               |                      |                      |

### Assessment Summary

| Assessment | Title and brief description     | Due Date  |
|------------|---------------------------------|---|
| Task 1     | UEECD0046 Knowledge Assessment  | *As per program   |
| Task 2     | UEECD0046 Skills Assessment     | *As per program   |
| Task 3     | UEECD0046 Portfolio of Evidence | *Must be prior to Skills and Knowledge Assessment Tasks |

You will receive more detailed instructions on each assessment from your lecturer.

The regular learning requirements to develop the skills and knowledge for this unit are outlined below. Please refer to your timetable for session times.

**Please note:** This plan is to be used as a guide and may be adapted to meet the needs of students. You will be notified of changes as they occur.



## Learning and Assessment Plan

Your training will include **structured in and out of class activities\*** to be completed for this unit.

\*Out of class activities may include(

|  |   |
|--|---|
| <input checked="" type="checkbox"/> lectures or tutorials, online tasks and forums | <input type="checkbox"/> workshop activities                        |
| <input checked="" type="checkbox"/> assessments (when integrated with learning)    | <input checked="" type="checkbox"/> projects, assignments           |
| <input checked="" type="checkbox"/> workplace experience                           | <input checked="" type="checkbox"/> prescribed follow-up activities |
| <input checked="" type="checkbox"/> prescribed reading and research                | <input type="checkbox"/> other (please specify)                     |

| Sessions (Typical) |         |       | Element number | Topic   | Learning Resources *            | Structured out of class activities*     |        |
|--------------------|---------|-------|----------------|---|---------------------------------|---|--------|
| Day                | Session | Hours |                |   |                                 | Activity                                | Hrs    |
| 1                  | 1       | 1     |                | <b>Introduction</b><br>Issue Portfolio of Evidence  |                                 |   |        |
|                    | 2       | 3     | 1,2,3          | <b>The Electric Circuit</b><br>Chapter content and Review Exercises<br>Portfolio Practical Activity 1<br>Portfolio Practical activity 2                               | Electrical Principles Chapter 1 | Pre Reading, Portfolio Knowledge Part 1 | 1<br>2 |
|                    | 3       | 3     | 1,2,3          | <b>Voltage sources and effects of electric current</b><br>Chapter content and Review Exercises<br>Portfolio Practical Activity 4<br>(Demonstration of sources of EMF) | Electrical Principles Chapter 2 | Pre Reading, Portfolio Knowledge Part 2 | 1<br>2 |
| 2                  | 4       | 4     | 1,2,3          | <b>Ohms law</b><br>Chapter content and Review Exercises   | Electrical Principles Chapter 3 | Pre Reading, Portfolio Knowledge Part 3 | 1<br>2 |
|                    | 5       | 3     | 1,2,3          | <b>Electrical Power</b><br>Chapter content and Review Exercises<br>Portfolio Practical activity 6   | Electrical Principles Chapter 4 | Pre Reading, Portfolio Knowledge Part 4 | 1<br>2 |
| 3                  | 6       | 3     | 1,2,3          | <b>Resistors</b><br>Chapter content and Review Exercises<br>Portfolio Practical activity 3<br>Portfolio Practical activity 5  | Electrical Principles Chapter 5 | Pre Reading, Portfolio Knowledge Part 5 | 1<br>2 |
|                    | 7       | 4     | 1,2,3          | <b>The Series Circuit</b><br>Chapter content and Review Exercises<br>Portfolio Practical activity 7<br>Portfolio Practical activity 8                                 | Electrical Principles Chapter 6 | Pre Reading, Portfolio Knowledge Part 6 | 1<br>2 |



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|   |                    |     |       |   |  |  |                                      |
|---|--------------------|-----|-------|---|--|--|--------------------------------------|
| 4   | 8                  | 4   | 1,2,3 | <b>Practical Activities Revision</b><br>Practical Activities not previously completed in delivery or opportunity to practice.<br>Submit Portfolio of Evidence |  |  |                                      |
|   | 9                  | 3   | 1,2,3 | <b>Knowledge Revision</b><br>Can include feedback on Portfolio of Evidence if time permits  |  | Personal Study in own time                 | 1 hour per topic minimum recommended |
| 5   | 10                 | 2   | 1,2,3 | <b>Skills Assessment</b>  |  | Resit if required                          | 2                                    |
|   | 11                 | 1.5 | 1,2,3 | <b>Knowledge Assessment</b>   |  | Resit if required                          | 1.5                                  |
|   | 12                 | 0.5 |       | <b>Unit Finalisation/feedback</b>   |  |  |                                      |
|   | <b>Total Hours</b> |     |       |   |  | <b>Total hours out of class activities</b> |                                      |
| <b>Total amount of training for this unit</b> |                    |     |       |   |  |  |                                      |



## Learning and Assessment Plan

### Recognition of Prior Learning (RPL) / Credit

You may be eligible for Recognition of Prior Learning (RPL) / Credit towards your studies if you have relevant existing skills, knowledge, or formal qualifications. Please discuss available options with your lecturer.

### Reasonable Adjustment

We recognise that every student has different learning styles and needs. Please let your lecturer know if there is anything that may have an effect on your learning so they may be able to adjust your plan.

### Results and Appeals

Students may lodge an appeal against an academic result. Appeals must be lodged within four weeks from notification of the assessment result. Please see details under Academic Appeals on the NMT website.

### Absences

If you are unable to attend any class or assessment session you must inform your lecturer as soon as possible.

If you miss an assessment due to illness, please provide your lecturer with a medical certificate in order to negotiate an alternate time for the assessment.

### Plagiarism

Plagiarism is using another person's ideas and words without clearly acknowledging the source of the information. It is not acceptable to submit an assessment that is based on another person's work and claim it as your own. If you submit an assessment that is significantly or recognizably the same or similar in content as submitted by another student (current or past) you may have to submit another assessment.

### Assessment Resit/Resubmission

You shall be permitted to have at least two attempts to demonstrate competency against a unit of competency or cluster of units of competency.

To qualify for re-assessment:

- you must have made a reasonable attempt to complete the assessment satisfactorily  
AND
- you must have submitted the original assessment by the due date  
OR
- you must have attended and participated in the original assessment event

In the case of a re-assessment opportunity, your lecturer will give you a due date for your second attempt. Should you not achieve a Satisfactory result on the second attempt, you will need to re-enrol (R) in the unit.

In certain situations, a re-assessment is not possible; please refer to your assessment instructions.