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.

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| Qualification national code and title: | **UEE11 Electrotechnology Training Package, Ver. 1.4****UEE30811 Certificate III in Electrotechnology – Electrician****Pathway No. A123** |
| Delivery Period: | **2019** |
| Cluster Name (if applicable) | **N/A** |

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| --- | --- | --- |
| National ID | State ID | Name of unit |
| **UEENEEG106A** | **S7323** | **Terminate Cables, Cords and Accessories for Low Voltage Circuits (Release 3)** |
| **You can access the full unit/s of competency here:**<http://training.gov.au/Training/Details/UEENEEG106A> |
| Delivery Location/s (Campus/Room): | Midland Campus, B Block, B50 / B41 and E Block, E100 |

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| Student Learning Resources, text, equipment (Required) |
| **Student to supply**: * PPE (Safety glasses, safety boots/shoes)
* Stationary (pens, pencils, eraser, writing materials)
* Scientific calculator
* AS/NZS 3000:2007& AS/NZS 3008.1.1:2009.
 |
| College to supply: * UEENEEG106A Resource Book

• Workshop tools & equipment• Electrical cables & accessories |
|  |
| **Lecturer Name:** | **Phone:**  | **Email:**  | **Contact times**  | **Campus / Room** |
| Geoff Fielding | 0414391548 | Geoff.Fielding@nmtafe.wa.edu.au | 08.00 – 16.30 | Midland |

# Assessment Summary

| Assessment | Title | Due Date |
| --- | --- | --- |
| **G106A Resource Book** | Students must successfully complete all of the activities and worksheets in the **Terminate cables, cords and accessories for low voltage circuits Student Resource book (UEENEEG106A).** Work must be completed during the unit. This will be checked on an ongoing basis and recorded by the lecturer. It is the student’s responsibility to ensure all workers in the Resource Book is completed by the end of the unit. |  |
| **Portfolio** |  |  |
| **Theory Assessment 1** | This is a short answer / multiple choice assessment. You will be assessed on the underpinning knowledge required to terminate cables, cords and accessories for low voltage circuits relevant in the electrical industry. All theory will be covered in the G106A Resource Book. To prepare for this assessment you should have completed all of the work in the Resource Book prior to this assessment. You are allowed one reattempt at this assessment. |  |
| **Practical Skill Assessment 1** | You will complete a practical assessment comprising of three separate tasks for UEEG106A as per instructions on the Practical Assessment Tool. This includes: fitting an SWA gland, completing an extension cord and completing a soldering task. |  |
| **Q Tracker** **(Apprentices only)** | Students are required to complete the required hours for this unit in Q-Tracker before this unit can result. |  |

**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 program 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.

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| Your training will include **structured in and out of class activities\*** to be completed for this unit. |
| *\*Out of class activities* may include(🗹): |
| **🗹** lectures or tutorials, online tasks and forums**🗹**  assessments (when integrated with learning)**🞏**  workplace experience**🞏**  prescribed reading and research | **🗹** workshop activities**🗹** portfolios**🞏** prescribed follow-up activities**🗹** on-the-job profiling (Q Tracker) |

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| **SESSIONS****(Hours)** | **TOPIC (incl. Elements addressed)** | **RESOURCES** **to be supplied by the student** **(if required)** | **Structured out of class activities\*** |
| **Week/ Session** | **Hrs.** |  |  | **Activity** | **Hrs.** |
| Session 1 | 1 | 1 | Introduction to UEENEEG106A- Discuss unit requirements | UEENEEG106A Resource Book |  |  |
| 2 | 5 | **Session 1:*** OHS considerations related to terminations
* colour ratings
* cable constructions
* wiring systems (TPS flat and circular, thermoplastic, fire protection, SWA)
* types of cables and cords
* AS/NZS standards for cords and cables
* cable ratings
* uses of the various types of cables
 | UEENEEG106A Resource BookWriting materials & Calculator.PPE & Danger TagDifferent sizes and makes of cables and building wire | **Work Sheet**  **1-1 on Page.28** **& 1-2 on Page 36****1-3 on Page 39****Resource book Activity** **1-1 Page 42 1-2 Page 44** | 25 |
|  Session 2Session 2 | 3 | 4 | **Session 2:** * Termination types
* AS/NZS standards for plugs
* Termination methods
* Sheath/insulation cut and preparation
* Junction boxes/enclosures types/considerations

 • Termination testing procedures | UEENEEG106A Resource BookWriting materials & Calculator.PPE & Danger Tag. Wire; lugs; connectors testing equipment  | **Work Sheet** - **2**-**1 on Page 56** **2-2 on Page 65** **2-3 on Page 73** **2-4 on Page 81****Activities -** **1- 3 on Page 46 1- 4 on Page**  **48 2-1 on Page 58****2-2 on Page 66** | 25 |
|  Session 3 | 4 | 4 | **Session 3:** 1. Extension leads and Testing
 | UEENEEG106A Resource BookWriting materials & Calculator.PPE & Danger Tag.Plug tops and socket outlets; cables and Testing equipment | **Activities** **2-3 on Page 75 2-4 on Page 83 2-5 on Page 87****Lecturer to sign off on all completed practical tasks**Students do a **Theory assessment** based on the underpinning knowledge required to terminate cables, cords and accessories for low voltage circuits relevant in the electrical industry | 25 |
| Session 4 | 5 | 3 | **Session 4:**1. Trailing cables and catenary systems
 | UEENEEG106A Resource BookWriting materials & Calculator.PPE & Danger Tag | Students must do a **Practical Assessment** based on the following three tasks:**Task 1 – Terminate and fit glands to SWA cable****Task 2 – Make up a small extension lead and test****Task 3 – Strip, prepare, solder a TEE joint using 2.5mm2 earth wire to a 4mm2  earth wire**  | 20 |
| Session 5 |  | **4** | **Session 5:****Reviewing assessments and preparing for re-sits if necessary** | UEENEEG106A – Reviewing assessments  |  | 5 |
| **Total Hours**  | **36** |  |  | **Total hours out of class activities** | 100 |
| The total amount of training for this unit: 64 hours of training & 8 hours of assessments |  |

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 of the date of your statement of the academic record being issued. Please contact the Student Experience Team relevant to your portfolio area.

## 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 may qualify for (1) re-assessment per each assessment event when:

* you have made a reasonable attempt to complete the assessment satisfactorily

AND

* you have submitted the original assessment by the due date

OR

* you 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.