Government of **Western Australia**
North Metropolitan **TAFE**

# 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.

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|---|---|
| **Qualification national code and title:** | **ICT40120 – Certificate IV in Information Technology (Programming)** |
| **Delivery Period:** | **Semester 2, 2023** |
| **Cluster Name (if applicable)** | **Mobile Applications** |

| **National ID** | **Name of unit** |
|---|---|
| ICTPRG436 | Develop Mobile Applications |
| ICTPRG437 | Build a User Interface |
| **You can access the full unit/s of competency here** | |
| https://training.gov.au/Training/Details/ICTPRG436 https://training.gov.au/Training/Details/ICTPRG437 | |
| **Delivery Location/s (Campus/Room/Online):** | L306, 30 Aberdeen St, Northbridge |

| **Student Learning Resources, text, equipment (Required/Optional)** | | | | |
|---|---|---|---|---|
| **Student to supply:** | | | | |
| USB memory stick (thumb drive); Students may wish to install the software listed below on their personal computers. | | | | |
| **College to supply:** | | | | |
| Blackboard resources under the course "Cluster – Mobile Applications" Visual Studio (Community edition 2019) IDE – for developing C# programs | | | | |
| **Lecturer Name:** | **Contact:** | **Email:** | **Contact times** | **Campus / Room** |
| Aaron Clifford | Face to face, Email or Slack | Aaron.clifford@nmtafe.wa.edu.au | Class times or by appointment | 3rd Floor Office, 30 Aberdeen St. |

# Assessment Summary

| **Assessment** | **Title and brief description** | **Due Date** |
|---|---|---|
| Assessment 1 - A | Plan – This is the first part of the mobile project. Part A includes the requirements gathering, planning for UI designs and wireframes, and sign off for the project from stakeholders. | Week 6 |
| Assessment 1 - B | Implement – Part B is the implementation in MAUI for your mobile application. Take the designs from part A and complete the building of the application to the specifications. | Week 16 |

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| Assessment | Title and brief description | Due Date |
|---|---|---|
| Assessment 1 - C | Test and Deploy – Finally Part C is the testing and validation of the project against its requirements, final packaging and deployment onto a device. | Week 18 |
| Assessment 2 | Knowledge Questions – A series of questions to fill gaps and provide evidence to complete the UOC. | Week 18 |

**You will receive more detailed instructions on each assessment from your lecturer. For reference assessments have been included in the LAP highlighted in red.**

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.

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    ☐ workshop activities
☐ assessments (when integrated with learning)       ☐ projects, assignments
☐ workplace experience                              ☒ prescribed follow-up activities
☒ prescribed reading and research                   ☐ other (please specify)

| Sessions | | Elements | Topic | Learning Resources | Out of class Activities | |
|---|---|---|---|---|---|---|
| Session | Hours | | | | Activity | Hours |
| 1 | 3 | ICTPRG436 1.1-1.4 ICTICT444 1.1-1.5 | Orientation, Introduction to Mobile Development & C# Refresher | Session 1 | | |
| 2 | 3 | ICTPRG436 1.2-1.4 ICTICT444 1.1-1.5 | Mobile Hardware, Software and Development Frameworks | Session 2 | | |
| 3 | 3 | ICTPRG436 2.1-2.5 ICTICT444 1.1-1.5 | Mobile UI Design: UX & UI Layout and XAML | Session 3 | Complete Exercise 1 | 2 |
| 4 | 3 | ICTPRG436 2.1-2.5 ICTICT444 1.1-1.5, 3.1 | Implementing Layouts in MAUI: Controls *(Tip Calculator)* | Session 4 | Complete Exercise 1 | 2 |
| 5 | 3 | ICTPRG444 2.4,4.1-4.2 ICTPRG436 1.1-2.4, 3.1 | Coding Standards *(Currency - A)* | Session 5 | Complete Exercise 2 | 2 |
| 6 | 3 | - | *AS1- A* | Session 6 | | |
| 7 | 3 | ICTPRG436 3.2 ICTPRG437 2.5 | Async, JSON & Text Files (Quote - A) | Session 7 | Complete Exercise 3 | 2 |
| 8 | 3 | ICTPRG444 2.1-2.4 | Exceptions & Pop-Ups | Session 8 | Complete Exercise 3 | 2 |
| 9 | 3 | ICTPRG436 3.1-3.2 | Web API and data *(Currency – B)* | Session 9 | Complete Exercise 4 | 2 |

| 10 | 3 | ICTPRG444 2.1-2.4 | Multiscreen Apps & Moving Between Screens *(Quote – B)* | Session 10 | Complete Exercise 5 | 2 |
|---|---|---|---|---|---|---|
| 11 | 3 | ICTPRG436 2.6 | Setting Preferences | Session 11 | Complete Exercise 5 | 2 |
| 12 | 3 | ICTPRG436 4.1-4.3 | Resources and Images | Session 12 | | 0 |
| 13 | 3 | ICTPRG436 5.1-5.3 | Orientation | Session 13 | | 0 |
| 14 | 3 | ICTPRG436 2.1-2.3 ICTPRG437 2.6 | Themes | Session 14 | Project | 2 |
| 15 | 3 | All | Project Work | Assessment 1 B | Project | 2 |
| 16 | 3 | ICTPRG436 4.1-4.3 ICTPRG437 3.1-3.4 | Testing & Deployment *AS1 – B* | Session 16 | Read testing notes | 1.5 |
| 17 | 3 | All | Project Work | Assessment 1 | Project | 2 |
| 18 | 3 | All | Project Work (Demo) *AS1 – C* | Assessment 1 | Project | 2 |
| 19 | 3 | All | *RESUBMISSIONS* | | | |
| 20 | 0 | All | **No Delivery** **Final Grade** | | | 0 |
| Total | 57 | | | | Course Total | 87 |

## 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 influence 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 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 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-enroll (R) in the unit.

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