Unit Outline – Clustered

1. Training Product Details

Course Code	ICT40115	Course Title	Certificate IV in IT (Programming)

2. Cluster Unit Details (optional)

Cluster Title	Data Driven Object Oriented Programming

	National Unit Code	National Unit Title	Nominal Hours	Start Date	End Date
A	ICTPRG406	Apply introductory object-oriented language skills	60	30 July 2018	30 Nov 2018
B	ICTPRG403	Develop data-driven applications	60	30 July 2018	30 Nov 2018

3. Group Details

Group Name	Group 1	Group Title	Group 1

Day (s)	Start Time (s)	Finish Time (s)	Room
Mon	0830	1130	TA206
Tues	1330	1530	TC206

Group Name	Group 2	Group Title	Group 2

Day (s)	Start Time (s)	Finish Time (s)	Room
Mon	1230	1730	TD314

4. Contact Details

	Name	Room	Phone	Email
Teacher	Tim Baird	TC206	5559	tbaird@swin.edu.au
Teacher	Lachlan Van Der Velden	TA206	-	-
Manager	Andrew Roadknight			airoadknight@swin.edu.au
Administration	Student HQ		1300368777	SHQHawthorn@swin.edu.au

5. Delivery Overview Hours

Classroom	Online	Workplace	Directed Unsupervised Activities	Other
80	0	0	40	0

Unit Outline – Clustered

6. Unit Details

A	Unit Code	ICTPRG406					
Unit Type		☐ **Core**	✓ **Elective**	**Result**	☐ **Graded**	✓ **Ungraded**	
Pre/Co Requisites		-					
Description		Apply introductory object-oriented language skills					
Elements	**1**	Apply basic language syntax and layout					
	2	Apply basic object-oriented principles in the target language					
	3	Debug the code					
	4	Document the activities					
	5	Test the code					
	6	Create an application					

B	Unit Code	ICTPRG403					
Unit Type		☐ **Core**	✓ **Elective**	**Result**	☐ **Graded**	✓ **Ungraded**	
Pre/Co Requisites							
Description		Develop data-driven applications					
Elements	**1**	Select data-access layer (DAL)					
	2	Establish connection with data source					
	3	Execute commands and return results from data source					
	4	Modify data in data source					
	5	Manage disconnected data					
	6	Document data-access layer					

7. Learning Resources

Blackboard 9.1 - iLearn	(additional learning materials, resources, assessments, quizzes etc can be access via the link)
Books	
Equipment/Materials	
Other	

8. Assessment Details

Assessment Task Title	Units A,B,C,D,E,F,	Mark* Graded units only	Due Date
Assessment 1 – Challenge 1	A		31 Aug 2018
Assessment 2 – Challenge 2	A		28 Sep 2018
Assessment 3 – Challenge 3	B		26 Oct 2018
Assessment 4 – Challenge 4	B		23 Nov 2018
	Total	100	

Decision Making Rules0000000

Every task must be completed satisfactorily to be assessed as competent in the unit.

* For graded units, competence must be demonstrated before a mark can be given.

Reasonable adjustment

Students may request reasonable adjustment for assessment tasks.

Reasonable adjustment usually involves varying:

- the processes for conducting the assessment (eg: allowing additional time, varying the venue)
- the evidence gathering techniques (eg: oral rather than written questioning, use of a scribe, modifications to equipment)

However, the evidence collected must allow the student to demonstrate all requirements of the unit.

Special Consideration

Students can apply for Special Consideration where personal circumstances have adversely affected their task result or ability to undertake an assessment. A Special Consideration form can be completed prior to, but no later than 3 days after, the date of the assessment and submitted to the relevant Manager.

9. Schedule

Date	Week	Topic/activity/assessment	Units A,B,C,D,E
30 Jul	1	OO Intro and Inheritence	A
6 Aug	2	Inheritence - Encapsulation	A
13 Aug	3	Encapsulation - Polymorphism (Abstract/Virtual)	A
20 Aug	4	Challenge 1	A
27 Aug	5	Polymorphism (Abstract/Interfaces)	A
3 Sep	6	Polymorphism (Abstract/Interfaces)	A
		Mid Semester Break	
17 Sep	7	Polymorphism (Abstract/Interfaces)	A
24 Sep	8	Challenge 2	A
1 Oct	9	Api Revision	B
8 Oct	10	Async - Api Consumption (JSON)	B
15 Oct	11	Async - Api Consumption (JSON)	B
22 Oct	12	Challenge 3	B
29 Oct	13	EF - DB First	B
5 Nov	14	EF - Code First	B
12 Nov	15	EF - Code First	B
19 Nov	16	Challenge 4	B