Unit Outline – Clustered

1. Training Product Details

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

2. Cluster Unit Details (optional)

Cluster Title	CL-DTANDES001 Database analysis and design

	National Unit Code	National Unit Title	Nominal Hours	Start Date	End Date
A	ICTDBS403	Create basic databases	40	30 July 2018	30 Nov 2018
B	ICTDBS502	Design a database	50	30 July 2018	30 Nov 2018
C	ICTWEB	Apply structured query language to extract and manipulate data	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

4. Contact Details

	Name	Room	Phone	Email
Teacher	Tim Baird	TC218	5559	tbaird@swin.edu.au
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
68	0	0	22	0

6. Unit Details

A	**Unit Code**	ICTDBS403
Unit Type		☐ Core ✓ Elective **Result** ☐ Graded ✓ Ungraded
Pre/Co Requisites		
Description		This unit describes the skills and knowledge required to design, develop and test a database in order to meet a specification. It applies to individuals who may be either database, or web designers, required to create a simple database to store information for an online application, using a simple entity relational database. No licensing, legislative or certification requirements apply to this unit at the time of publication.
Elements	**1**	Analyse the requirements for the database
	2	Use data modelling to design the database to suit requirements
	3	Create a database on a web or database server
	4	Test the database and debug

B	**Unit Code**	ICTDBS502
Unit Type		☐ Core ✓ Elective **Result** ☐ Graded ✓ Ungraded
Pre/Co Requisites		
Description		This unit describes the skills and knowledge required to establish client needs and technical requirements and to design a database that meets those requirements. It applies to individuals employed as database administrators and designers who are required to design databases. No licensing, legislative or certification requirements apply to this unit at the time of publication.
Elements	**1**	Determine database requirements
	2	Develop a logical data model
	3	Design the data structures
	4	Design queries, screens and reports
	5	Design access and security systems
	6	Confirm the database design

C	**Unit Code**	ICTWEB425		
Unit Type		☐ Core ✓ Elective	**Result**	☐ Graded ✓ Ungraded
Pre/Co Requisites				
Description		This unit describes the skills and knowledge required to produce structured query language (SQL) statements to work with server-side scripts, enabling web designers to interact with web server databases. It applies to individuals who are employed as web designers responsible for creating server-side interaction with dynamic web pages, using SQL as a means of communicating with the database		
Elements	**1**	Identify SQL requirements from the specification documentation		
	2	Create a relational database		
	3	Test SQL results		

7. Learning Resources

Blackboard 9.1 - iLearn	https://ilearn.swin.edu.au/webapps/login/ (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,B		31 Aug 2018
Assessment 2 – Challenge 2	A,B		28 Sep 2018
Assessment 3 – Challenge 3	A,B		26 Oct 2018
Assessment 4 – Challenge 4	A,B		23 Nov 2018
Assessment 5 – Theory Test	A,B		16 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	MS Access 1	A,B
6 Aug	2	MS Access 2	A,B
13 Aug	3	MS Access 3	A,B
20 Aug	4	MS Access 4 & Normalisation(1NF)	A,B
27 Aug	5	Assessment 1 – Challenge 1	A,B
3 Sep	6	ERD / SQL 1	A,B
Mid Semester Break			
17 Sep	7	ERD / SQL 2 & Data Dictionary	A,B
24 Sep	8	Assessment 2 – Challenge 2	A,B
1 Oct	9	ERD / SQL 3	A,B
8 Oct	10	ERD / SQL 4	A,B
15 Oct	11	ERD / SQL 5	A,B
22 Oct	12	Assessment 3 – Challenge 3	A,B
29 Oct	13	ERD / SQL 6	A,B
5 Nov	14	ERD / SQL 7 & Test Revision	A,B
12 Nov	15	Assessment 5 – Theory Test & Practice Challenge	A,B
19 Nov	16	Assessment 4 – Challenge 4	A,B