Unit Assessment Plan (AP2) - Chemistry

Provider name	Sunshine College
Diploma title	Access to HE Diploma (Science)
Assessor name(s)	Jane Jenkins
Date	6 September 2016
Unit title and code	Chemistry RD2/3/AA/07G
Unit assessment strategy	The content for this unit will be delivered through teaching and learning activities in class and through directed independent research in order to ensure students develop a sound knowledge of Chemistry and the academic skills required to progress to HE. Assignment 1 – Scientific Report The first assignment requires students to demonstrate the basic knowledge and calculations which underpin this unit and link to content within the Core Science and Biochemistry units. The production of a scientific report is an important skill for students to acquire in preparation for Higher Education. Assignment 2 – Presentation Students will work more independently for this assignment which requires them to organise their time to research, plan and prepare well in order to achieve a high standard. Presentations are widely used in HE and it is important that students understand how to prepare and deliver well. Assignment 3 – Essay These skills are further built upon in assignment three where students are required to write a 2000 word essay, another important form of assessment they will encounter in HE. The increased word count allows and encourages additional research. The unit will be taught by one tutor in the first semester, after the Core Science unit and prior to the Biochemistry unit which will be taught in the second semester. There is a no drafts policy for this unit and numerical marking will not be used for grading.

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Assessment criteria e.g. 1.1	Assessment method and activity *(Provide brief description)*	Evidence of assessment *(Provide brief description)*	Grade descriptors and components *(indicate choice)*	Cross referencing to other units
Learning outcome 1: 1.1, 1.2, 1.3, 1.4, 1.5 Learning outcome 2: 2.1, 2.2, 2.3	A scientific report. Students will be required to apply the teaching and learning relating to the mole, to a practical situation (the titration of HCl against NaOH).	A scientific report in the correct given format, including relevant calculations. (Approx. 1000 words)	GD3: b) applies appropriate techniques with c) accuracy GD7: a) structured in a logical and fluent way	No formal cross referencing has been undertaken in relation to assessment, but links will be made during teaching and learning activities to other relevant units within the Science Diploma, particularly Core Science and Biochemistry
Learning outcome 3: 3.1, 3.2, 3.3, 3.4, 3.5 Learning outcome 4: 4.1, 4.2, 4.3, 4.4, 4.5	A presentation. Students will be required to produce a 10 minute presentation on the structure of atoms and bonding in crystals supported by their notes and a written reflection on what they have learnt.	Presentation slides using chosen software Presentation notes Reflection on key learning points related to content (Approx. 400 words)	GD3: a) selects appropriate skills b) applies appropriate skills GD7: b) puts forward arguments or ideas	
Learning outcome 5: 5.1, 5.2, 5.3, 5.4 Learning outcome 6: 6.1, 6.2, 6.3	Students will chose from two given titles relating to intermolecular forces and rate controlling factors	Structured essay (Approx. 2000 words)	GD3: b) applies appropriate methods with c) consistency GD7: c) taken as a whole demonstrates a very good/excellent response to the demands of the brief	