



UNIVERSITI TEKNOLOGI MARA

SPC411: INTRODUCTORY CHEMISTRY

Course Name (English)	INTRODUCTORY CHEMISTRY APPROVED
Course Code	SPC411
MQF Credit	3
Course Description	This course introduces students to the fundamental concept in chemistry as well as their application including chemistry symbol, measurement, atomic theory, mol concept, chemistry reaction, stoichiometry, chemical bonding and gases law. The syllabus content will be delivered through e-learning. The outcomes shall be assessed through a variety of tools which include tests, assignments and final examination.
Transferable Skills	Science process skills Science method
Teaching Methodologies	Lectures, Blended Learning, Tutorial
CLO	CLO1 Apply chemistry principle in solving chemistry problems CLO2 Communicate and interact in group
Pre-Requisite Courses	No course recommendations
Topics	
1. Matter And Measurement 1.1) n/a	
2. Atoms, Molecules And Ions 2.1) n/a	
3. Electronic Structure And Periodic Trend 3.1) n/a	
4. Chemical Formula And Equation 4.1) n/a	
5. Bonding And Molecular Shape 5.1) n/a	
6. Stoichiometry 6.1) n/a	
7. Gas Laws 7.1) n/a	

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Group Assignment	20%	CLO1 , CLO2
	Discussion	Online Discussion	10%	CLO1 , CLO2
	Test	Test 1	15%	CLO1
	Test	Test 2	15%	CLO1

Reading List	Reference Book Resources	• Raymon Chang 2010, <i>Chemistry</i> , 10th Edition Ed., McGraw Hill Singapore
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	