

Module code	SG-2308		
Module Title	Geology of Brunei and Surrounding Countries		
Degree/Diploma	Bachelor of Science (Geology)		
Type of Module	Major Option		
Modular Credits	4	Total student Workload	10 hours/week
		Contact hours	6 hours/week
Prerequisite	None		
Anti-requisite	None		
Aims			
The module is designed to provide students with an overview on the main geological structure and lithological units cropping out in Brunei. It is aimed to give students specific knowledge on Brunei formations, rocks type and they application for the oil industry whichis required to work in geology oriented companies acting in Brunei Darussalam.			
Learning Outcomes			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order :	30%	<ul style="list-style-type: none"> - recall the main formations of Brunei Darussalam and surrounding countries - gather information from scientific databases 	
Middle order :	50%	<ul style="list-style-type: none"> - acquire data from field works - define sedimentary structures and estimate their lateral correlation - comprehend a scientific paper and be able to present it to the class - interpret passive and active margins and their processes 	
Higher order:	20%	<ul style="list-style-type: none"> - correlate cycles and stage among Sarawak, Brunei Darussalam and Sabah - estimate reservoirs capacity and calculate production estimations - work both independently and in groups following protocols 	
Module Contents			
<ul style="list-style-type: none"> - Geodynamic setting and contents of the Sundaplate and its surrounding tectonic plates - Lithostratigraphic and biostratigraphic correlations of rocks in Borneo - Sequence stratigraphy of NW Borneo sediments - Tectonic structures and deltaic systems in Brunei Darussalam - Oil reservoirs in Brunei Darussalam - Geology of Sabah and Sarawak; deep Borneo Geology 			
Assessment	Formative assessment	Presentations, discussion and feedback	
	Summative assessment	Examination: 50%	
		Coursework: 50% <ul style="list-style-type: none"> - 1 presentation (20%) - 2 fieldwork reports (30%) 	