

<b>Module code</b>	SG-2308		
<b>Module Title</b>	Geology of Brunei and Surrounding Countries		
<b>Degree/Diploma</b>	Bachelor of Science (Geology)		
<b>Type of Module</b>	Major Option		
<b>Modular Credits</b>	4	<b>Total student Workload</b>	10 hours/week
		<b>Contact hours</b>	6 hours/week
<b>Prerequisite</b>	None		
<b>Anti-requisite</b>	None		
<b>Aims</b>			
<p>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.</p>			
<b>Learning Outcomes</b>			
<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"> <li>- recall the main formations of Brunei Darussalam and surrounding countries</li> <li>- gather information from scientific databases</li> </ul>	
Middle order :	50%	<ul style="list-style-type: none"> <li>- acquire data from field works</li> <li>- define sedimentary structures and estimate their lateral correlation</li> <li>- comprehend a scientific paper and be able to present it to the class</li> <li>- interpret passive and active margins and their processes</li> </ul>	
Higher order:	20%	<ul style="list-style-type: none"> <li>- correlate cycles and stage among Sarawak, Brunei Darussalam and Sabah</li> <li>- estimate reservoirs capacity and calculate production estimations</li> <li>- work both independently and in groups following protocols</li> </ul>	
<b>Module Contents</b>			
<ul style="list-style-type: none"> <li>- Geodynamic setting and contents of the Sundaplate and its surrounding tectonic plates</li> <li>- Lithostratigraphic and biostratigraphic correlations of rocks in Borneo</li> <li>- Sequence stratigraphy of NW Borneo sediments</li> <li>- Tectonic structures and deltaic systems in Brunei Darussalam</li> <li>- Oil reservoirs in Brunei Darussalam</li> <li>- Geology of Sabah and Sarawak; deep Borneo Geology</li> </ul>			
<b>Assessment</b>	Formative assessment	Presentations, discussion and feedback	
	Summative assessment	Examination: 50%	
		Coursework: 50% <ul style="list-style-type: none"> <li>- 1 presentation (20%)</li> <li>- 2 fieldwork reports (30%)</li> </ul>	