

Curriculum

First Year				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Foundation	0-0000	3(2,2)	0-000J	3(2,2)
	Eng-1001	3(2,2)	Eng-1002	3(2,2)
Core	Geol-1101	4(3,2)	Geol-1102	4(3,2)
Elective (three course)	Chem-1001	3(2,2)	Chem-1002	3(2,2)
	Phys-1001	3(2,2)	Phys-1002	3(2,2)
	Math-1001	3(2,2)	Math-1003	3(2,2)
	AM-1001	3(2,2)	AM-1002	3(2,2)

Second Year				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Foundation	Eng-2001	3(2,2)	Eng-2002	3(2,2)
Core	Geol-2101	4(3,2)	Geol-2106	4(3,2)
	Geol-2102	4(3,2)	Geol-2107	4(3,2)
	Geol-2103	4(3,2)	Geol-2108	4(3,2)
Elective (two course)	Geol-2104	3(2,2)	Geol-2109	3(2,2)
	Geol-2105	3(2,2)	Geol-2110	3(2,2)

Third Year				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Foundation	Eng-3001	3(2,2)	Eng-3002	3(2,2)
Core	Geol-3101	4(3,2)	Geol-3112	4(3,2)
	Geol-3102	4(3,2)	Geol-3113	4(3,2)
	Geol-3103	4(3,2)	Geol-3114	4(3,2)
	Geol-3104	4(3,2)	Geol-3115	4(3,2)
Elective (one course) Student may choose any one of the elective courses.	Geol-3105	3(2,2)	Geol-3116	3(2,2)
	Geol-3106	3(2,2)	Geol-3117	3(2,2)
	Geol-3107	3(2,2)	Geol-3118	3(2,2)
	Geol-3108	3(2,2)	Geol-3119	3(2,2)
	Geol-3109	3(2,2)	Geol-3120	3(2,2)
	Geol-3110	3(2,2)	Geol-3121	3(2,2)
	Geol-3111	3(2,2)		

Fourth Year				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-4101	4(3,2)	Geol-4105	4(3,2)
	Geol-4102	4(3,2)	Geol-4106	6
	Geol-4103	6	Geol-4107	6
	Geol-4104	8	Geol-4108	6

First Year Master (Economic and Mining Geology Specialization)				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-611EMG	4(4,2)	Geol-621EMG	4(4,2)
	Geol-612EMG	4(4,2)	Geol-622EMG	4(4,2)
	Geol-613EMG	4(4,2)	Geol-623EMG	4(4,2)

	Geol-614EMG	4(4,2)	Geol-624EMG	4(4,2)
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Second Year Master (Economic and Mining Geology Specialization)				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-631EMG	8	Geol-641EMG	8
	Geol-632EMG	8	Geol-642EMG	8

First Year Master (Regional Geology Specialization)				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-611R	4(4,2)	Geol-621R	4(4,2)
	Geol-612R	4(4,2)	Geol-622R	4(4,2)
	Geol-613R	4(4,2)	Geol-623R	4(4,2)
	Geol-614R	4(4,2)	Geol-624R	4(4,2)

Second Year Master (Regional Geology Specialization)				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-631R	8	Geol-641R	8
	Geol-632R	8	Geol-642R	8

First Year Master (Petroleum Geology Specialization)				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-611PG	4(4,2)	Geol-621PG	4(4,2)
	Geol-612PG	4(4,2)	Geol-622PG	4(4,2)
	Geol-613PG	4(4,2)	Geol-623PG	4(4,2)
	Geol-614PG	4(4,2)	Geol-624PG	4(4,2)

Second Year Master (Petroleum Geology Specialization)				
Course	Semester I		Semester II	
	Module No.	CP (L, P)	Module No.	CP (L, P)
Core	Geol-631PG	8	Geol-641PG	8
	Geol-632PG	8	Geol-642PG	8

Module Name

မ-၁၀၀၁	မြန်မာစာ
Eng-1001	English
Geol-1101	Principles of Geology I
Chem-1001	General Chemistry I
Phys-1001	General Physics I
Math-1001	Mathematics I
AM-1001	Aspects of Myanmar
မ-၁၀၀၂	မြန်မာစာ
Eng-1002	English
Geol-1102	Principles of Geology II
Chem-1002	General Chemistry I
Phys-1002	General Physics II
Math-1003	Mathematics II
AM-1002	Aspects of Myanmar
Eng-2001	English
Geol-2101	Elements of Mineralogy
Geol-2102	Structural Geology and Tectonics
Geol-2103	Paleontology
Geol-2104	Principles of Geochemistry
Geol-2105	Principles of Geophysics
Eng-2002	English
Geol-2106	Optical Mineralogy
Geol-2107	Structural Geology and Geodynamics
Geol-2108	Geological Mapping and Surveying (Field Training Course)
Geol-2109	Photogeology, Remote Sensing and GIS

Geol-2110	Environmental Geology
Eng-3001	English
Geol-3101	Igneous Petrology
Geol-3102	Sedimentary Petrology
Geol-3103	Metamorphic Petrology
Geol-3104	Economic Geology and Mineral Deposits of Myanmar
Geol-3105	Marine Geology
Geol-3106	Historical Geology
Geol-3107	Geomorphology
Geol-3108	Advanced Surveying
Geol-3109	Planetary Geology
Geol-3110	Atmospheric Science
Geol-3111	Geothermal Energy
Eng-3002	English
Geol-3112	Principles of Stratigraphy
Geol-3113	Exploration and Mining Geology
Geol-3114	Field Training Course (21 days)
Geol-3115	Introduction to Research Methodology
Geol-3116	Gemmology
Geol-3117	Quaternary Geology
Geol-3118	Seismology
Geol-3119	Statistical Geology
Geol-3120	Paleoclimate
Geol-3121	Introduction to Project Management
Geol-4101	Geology of Myanmar and Field Training Course
Geol-4102	Applied Geology I (Engineering Geology and Hydrogeology)
Geol-4103	Project Outline Presentation
Geol-4104	Data Analysis Presentation
Geol-4105	Georesource and Environmental Management
Geol-4106	Applied Geology II (Petroleum Geology)
Geol-4107	Project Outcomes Presentation
Geol-4108	Research Project Report and Viva Voce
Geol-611EMG	Photogeology and Remote-sensing
Geol-612EMG	Mining Geology and Ore Processing
Geol-613EMG	Ore Mineralogy & Industrial Mineralogy
Geol-614EMG	Ore deposits I & Geostatistics

Geol-621EMG	Environmental Geology
Geol-622EMG	Exploration Geology
Geol-623EMG	Ore deposits II
Geol-624EMG	Mineral Economics and Valuation of Mineral Properties
Geol-631EMG	Research Progress Report
Geol-632EMG	Research Progress and Seminars
Geol-641EMG	Research Outcomes and Seminar
Geol-642EMG	Thesis and Viva Voce
Geol-611R	Photogeology and Remote-sensing
Geol-612R	Advanced Paleontology
Geol-613R	Advanced Structural Geology
Geol-614R	Advanced Igneous and Metamorphic Petrology I
Geol-621R	Environmental Geology
Geol-622R	Global and Regional Tectonics
Geol-623R	Sedimentology
Geol-624R	Stratigraphic Paleontology / Selected Topics
Geol-631R	Research Progress Report
Geol-632R	Research Progress and Seminars
Geol-641R	Research Outcomes and Seminar
Geol-642R	Thesis and Viva Voce
Geol-611PG	Photogeology and Remote-sensing
Geol-612PG	Principles of Petroleum Geology
Geol-613PG	Palynology and Nannoplanktonology/ Advanced Structural Geology
Geol-614PG	Petroleum Geophysics and Petroleum Geochemistry
Geol-621PG	Giant oil and gas fields of the world and the oil and gas fields of Myanmar
Geol-622PG	Micropaleontology and Applied Biostratigraphy / Term Papers and Seminars
Geol-623PG	Sedimentology
Geol-624PG	Applied Reservoir Geology
Geol-631PG	Research Progress Report
Geol-632PG	Research Progress and Seminars
Geol-641PG	Research Outcomes and Seminar
Geol-642PG	Thesis and Viva Voce