



# UNIVERSITY OF JAMMU

(NAAC ACCREDITED 'A' GRADE' UNIVERSITY)  
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

Academic Section

Email: [academicsectionju14@gmail.com](mailto:academicsectionju14@gmail.com)

## NOTIFICATION

(23/March/Cont./32)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Academic Council, is pleased to authorize the Continuation of the existing Syllabi and Courses of Study of **Master Degree Programme in Applied Geology** for **Ist to IVth Semesters** under the **Choice Based Credit System (through regular mode)** for the examinations to be held in the Academic Session 2022-2023, 2023-2024 and 2024-2025.

The Syllabi of the courses are available on the University website:  
[www.jammuuniversity.ac.in](http://www.jammuuniversity.ac.in).


Sd/-

DEAN ACADEMIC AFFAIRS

No. F.Acd/II/23/12947-12956  
Dated: 15-3-2023

Copy for information and necessary action to:

1. Dean, Faculty of Science
2. HOD/Convener, Board of Studies in Geology
3. C.A to the Controller of Examinations
4. I/c Director, Computer Centre, University of Jammu
5. Asst. Registrar (Conf. /Exams. PG/Pub.)
6. Incharge, University Website for necessary action please.

  
Deputy Registrar (Academic)

# Syllabus and Courses of Study for M.Sc. (Applied Geology)

PG Department of Geology, University of Jammu

COURSE NO	COURSE TITLE	CREDITS	MARKS	TOTAL CREDITS
<b>SEMESTER – I</b>				
PSAGTC111	Sedimentology	4	100	
PSAGTC112	Stratigraphy	4	100	
PSAGTC113	Structural Geology & Tectonics	4	100	
PSAGTC114	Mineralogy	4	100	
PSAGTC115	Igneous Petrology	2	50	
PSAGLC116	Practical I (111 & 112)	4	100	
PSAGLC117	Practical II (113, 114 & 115)	4	100	
	Week-end Field work			
<b>SEMESTER – II</b>				
PSAGTC211	Basin Analysis and Sequence Stratigraphy	4	100	
PSAGTC212	Paleontology	4	100	
PSAGTC213	Geomorphology	2	50	
PSAGTC214	Geospatial Techniques	2	50	
PSAGTC215	Metamorphic Petrology	2	50	
PSAGTC216	Geochemistry	2	50	
PSAGLC217	Practical I (211 & 212)	4	100	
PSAGLC218	Practical II (214, 215 & 216)	4	100	
				24
<b>SEMESTER – III</b>				
PSAGTC311	Micropaleontology and Oceanography	4	100	
PSAGTC312	Fuel Geology	4	100	
PSAGTC313	Ore Geology	2	50	

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PSAGTC314	Applications of RS and GIS	2	50	
PSAGTC315	Engineering and Environment Geology	4	100	
PSAGTEM351 (MOOC)	SWAYAM	4	100	
PSAGLC317	Practical I (311 & 312)	4	100	
PSAGLC318	Practical II (313, 314 & 315)	4	100	
	Field Work			28
	<b>SEMESTER – IV</b>			
PSAGTC411	Hydrogeology	4	100	
PSAGTC412	Exploration and Mining Geology	4	100	
PSAGTE413/ 414	Gemology / Cryosphere & Climate Change Science	2	50	
PSAGTC415	Dissertation	8	200	
PSAGTO416	Geohazards and Disaster Management	4	100	
PSAGLC417	Practical I (411 & 412)	4	100	
				26

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