

# **STRUCTURE OF THE SYLLABUS FOR 2 YEAR PG PROGRAMME**

## **ROYAL SCHOOL OF ENVIRONMENTAL & EARTH SCIENCES**

### **M. Sc. GEOLOGY**

<b>1<sup>st</sup> SEMESTER</b>		
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>
GEOL164C101	Structural Geology and Tectonics	3
GEOL164C112	Structural Geology Practical	1
GEOL164C103	Mineralogy and Crystal Chemistry	3
GEOL164C114	Mineralogy Practical	1
GEOL164C105	Igneous and Metamorphic Petrology	3
GEOL164C116	Igneous and Metamorphic Practical	1
GEOL164C107	Sedimentology and Quaternary Geology	3
GEOL164C118	Sedimentology Practical	1
GEOL164C109	Climatology and Oceanography	4
	<i>Course through SWAYAM platform (to be selected by the department)</i>	3 or 4
<b>TOTAL CREDIT FOR 1<sup>st</sup> SEMESTER</b>		<b>20 + (3 or 4)</b>
<b>2<sup>nd</sup> SEMESTER</b>		
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>
GEOL164C201	Indian Stratigraphy and Applied Palaeontology	3
GEOL164C212	Stratigraphy and Palaeontology Practical	1
GEOL164C203	Geomorphology	3
GEOL164C214	Geomorphology Practical	1
GEOL164C205	Geology of North-East India	4
GEOL164C206	Planetary Geology	4
GEOL164C207	Urban Geology	4
	<i>Course through SWAYAM platform (to be selected by the department)</i>	3 or 4
<b>TOTAL CREDIT FOR 2<sup>nd</sup> SEMESTER</b>		<b>20 + (3 or 4)</b>
<b>3<sup>rd</sup> SEMESTER</b>		
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>
GEOL164C301	Engineering Geology	3
GEOL164C312	Engineering Geology Practical	1
GEOL164C303	Economic Geology	3
GEOL164C314	Economic Geology Practical	1
GEOL164C305	Fuel Geology	3
GEOL164C316	Fuel Geology Practical	1
GEOL164C327	Pre-Dissertation Research	8
<b>TOTAL CREDIT FOR 3<sup>rd</sup> SEMESTER</b>		<b>20</b>
<b>4<sup>th</sup> SEMESTER</b>		
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>
GEOL164C401	Exploration Geology	4
GEOL164C402	Mining Geology	4
GEOL164C423	Dissertation	12
<b>TOTAL CREDIT FOR 4<sup>th</sup> SEMESTER</b>		<b>20</b>