

DEPARTMENT OF MINERALS ENGINEERING COURSE STRUCTURE

Postgraduate Courses

MSc/MPhil Level

Module No.	Module Name	Credit(s)
First Semester		
MR 491	Introduction to Minerals Engineering*	1
MR 493	Introduction to Extractive Metallurgy**	1
MR 551	Research Methods	3
MR 555	Statistical Models	3
MR 571	Metallurgical Accounting and Data Analysis*	3
MR 573	Advanced Process Mineralogy	3
MR 575	Mineral Particle Systems	3
MR 577	Biotechnology in Minerals Engineering	3
MR 579	Aqueous Processes in Minerals Engineering	3
MR 581	Ferrous Metallurgy	3
MR 587	Artificial Intelligence for the Minerals Industry	3
Second Semester		
MR 554	Economic and Financial Evaluation	3
MR 556	Field/Laboratory Work	3
MR 570	Slurry Flow and Analysis	3
MR 572	Industrial Minerals Beneficiation	3
MR 574	Precious Minerals Beneficiation	3
MR 576	Mineral Process Design and Control	3
MR 578	Mine Waste Management	3
MR 580	Non-Ferrous Metal Beneficiation	3
MR 582	Advanced Froth Flotation	3
MR 584	Advanced Pyrometallurgy	3
MR 586	Advanced Electrometallurgy	3
MR 588	Corrosion Engineering and Control	3
Modules Taken Either Semesters		
MR 500	MSc Thesis	21
MR 560	MPhil Thesis	30

MR 550	MSc/MPhil Seminar	3
--------	-------------------	---

* *Pre-requisite Module for non-Minerals Engineers*

** *Pre-requisite Module*