

LESSON PLAN (WINTER 2026)

Discipline: Mining Engineering	Semester: 3rd semester	Name of the Teaching Faculty: 1) MRS.SAMAPIKA DASH (Wednesday & Thursday) 2) Sri. Sagar Krishna Pahi (Monday & Tuesday)
Subject: Mine Geology- I LAB Sub code: PR.2	No of days /week class allotted: 0 4(8P)	Semester from Date: 01/07/2026 to 05/11/2026 No of weeks: 21

Course Outcomes

Statement

CO1

Identify ore forming and rock forming minerals.

CO2

Determine specific gravity of minerals by workers steel yard balance.

CO3

Analyze thin section of minerals and rocks under microscope.

CO4

Solve the structural geology problems.

CO5

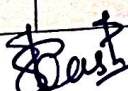
Measure strike and dip in the field.

Month	Week	No of periods available	Class Day	Practical topics to be covered	FACULTY ASSIGNED	(COs)
<u>July</u>	1 st	04P	01.07.2026	Introduction about Minerals with Different Examples. Physical Properties of Minerals. Apparatus Used in Identification of Minerals.	SMT.S.DASH	CO1
			02.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
	2 nd	08P	06.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			07.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			08.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
			09.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
	3 rd	06P	13.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			14.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			15.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
	4 th	08P	20.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			21.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			22.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
			23.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
	5 th	08P	27.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1
			28.07.2026	Megascopic Identification of rock forming Minerals	SRI.S.K PAHI	CO1

			29.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
			30.07.2026	Megascopic Identification of rock forming Minerals	SMT.S.DASH	CO1
August	6 th	NA	NA	NA	NA	CO1
	7 th	08P	03.08.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			04.08.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			05.08.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
			06.08.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
	8 th	04P	10.08.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			11.08.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			12.08.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
			13.08.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
	9 th	08P	17.08.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			18.08.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			19.08.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
			20.08.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
	10 th	04P	24.08.2026	EVALUATION OF RECORD: IDENTIFICATION OF ROCK FORMING AND ORE FORMING MINERAL	SRI.S.K PAHI	CO1
			25.08.2026	EVALUATION OF RECORD: IDENTIFICATION OF ROCK FORMING AND ORE FORMING MINERAL	SRI.S.K PAHI	CO1
September	11 th	06P	01.09.2026	Megascopic Identification of ore forming Minerals	SRI.S.K PAHI	CO1
			02.09.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
			03.09.2026	Megascopic Identification of ore forming Minerals	SMT.S.DASH	CO1
	12 th	08P	07.09.2026	Determination of specific gravity by workers steel yard balance	SRI.S.K PAHI	CO2
			08.09.2026	Determination of specific gravity by workers steel yard balance	SRI.S.K PAHI	CO2
			09.09.2026	Determination of specific gravity by workers steel yard balance	SMT.S.DASH	CO2
			10.09.2026	TECHNICAL SEMINAR	SMT.S.DASH	CO1
	13 th	02P	17.09.2026	Determination of specific gravity by workers steel yard balance	SRI.S.K PAHI	CO2
	14 th	08P	21.09.2026	EVALUATION OF RECORD	SRI.S.K PAHI	CO4
			22.09.2026	Strike and dip measurement using	SRI.S.K PAHI	CO4

October

October				Brunton Compass and Clinometer, Dip and Strike Problems.		
			23.09.2026	Dip and Strike Problems		
	15 th	06P	24.09.2026	Dip and Strike Problems	SMT.S.DASH	C04
				Dip and Strike Problems	SMT.S.DASH	C04
			28.09.2026	Dip and Strike Problems	SRI.S.K PAHI	C04
			29.09.2026	Dip and Strike Problems	SRI.S.K PAHI	C04
			30.09.2026	Dip and Strike Problems		C04
	16 th	2P	01.10.2026	Dip and Strike Problems	SMT.S.DASH	C04
	17 th	8P	05.10.2026	Dip and Strike Problems	SRI.S.K PAHI	C04
			06.10.2026	EVALUATION OF RECORD	SRI.S.K PAHI	C04
			07.10.2026	EVALUATION OF RECORD	SMT.S.DASH	C04
			08.10.2026	Study and sketching of models showing different types of faults, folds & their relation to topography	SMT.S.DASH	C04
	18 th	8P	12.10.2026	Study and sketching of models showing different types of faults, folds & their relation to topography	SRI.S.K PAHI	C04
			13.10.2026	Study and sketching of models showing different types of faults, folds & their relation to topography	SRI.S.K PAHI	C04
			14.10.2026	Study of microscope and its parts.	SMT.S.DASH	C03
			15.10.2026	Study of microscope and its parts.	SMT.S.DASH	C03
					SMT.S.DASH	C03
	19 st	4P	21.10.2026	STUDY OF optical properties of minerals.		
			22.10.2026	Analysis of thin section of minerals. Identification of minerals under Microscope.	SMT.S.DASH	C03
	20 st	8P	26.10.2026	Analysis of thin section of minerals. Identification of minerals under Microscope.	SRI.S.K PAHI	C03
			27.10.2026	Analysis of thin section of Rocks Identification of Rocks under Microscope.	SRI.S.K PAHI	C03
			28.10.2026	Analysis of thin section of Rocks Identification of Rocks under Microscope.	SMT.S.DASH	C03
			29.10.2026	Analysis of thin section of Rocks Identification of Rocks under Microscope.	SMT.S.DASH	C03
					SMT.S.DASH	C03
November	21 st	08P	02.11.2026	FIELD STUDY	SRI.S.K PAHI	C05
			03.11.2026	Lab Practice/Evaluation Of records	SRI.S.K PAHI	All COs
			04.11.2026	FIELD STUDY	SMT.S.DASH	C05
			05.11.2026	Lab Practice/Evaluation Of records	SMT.S.DASH	All COs


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