

**Indian Institute of Technology Roorkee**  
**DEPARTMENT OF EARTH SCIENCES**

*Time Table for Autumn Semester 2021-22*  
**Int. M.Tech Geological Technology (GLT) 1<sup>ST</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55					
10.00-10:55					
11.05-12.00				P ESN-103 K	
12.05-1.00				P ESN-103 K	
01-02	<b>LUNCH</b>				
2.00-2.55			L ESN-103 K		L ESN-103 K
3.00-3.55		L ESN-103 K			
4.05-5.00	L ESN-101 ASM				
5.05-6.00					L ESN-101 AC

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
MAN-001	Mathematics-I	BSC	3-1-0			--
ESN-101	Introduction to Earth Sciences	DCC	1-0-0	ASM/AC		ASM/AC
ESN-103	Computer Programming	DCC	3-0-2	K		K
PHN-001	Mechanics	BSC	3-0-2			--
CEN-105	Intro. to Environmental studies	GSC	3-0-0			--
HSN-001A	Communication Skills	HSSC	1-0-2			--
HSN-001B	Communication Skill(Advanced)	HSSC	1-0-2			--
HSN-002	Ethics and Self Awareness	HSSC	1-1-0			--

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*Time Table for Autumn Semester 2021-22*  
**Int. M.Tech Geological Technology (GLT) 2<sup>ND</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55			L ESN-201 RC		
10.00-10:55		L ESN-201 DPS	L ESN-203 CP	L ESN-203 SB	T ESN-203 CP
11.05-12.00	L ESN-201 AG	P ESN-205 SKT	P ESN-201 DPS	L ESN-203 SB	P ESN-201 RC
12.05-1.00	L ESN-205 SKT	P ESN-205 SKT	P ESN-201 DPS	L ESN-205 SKT	P ESN-201 RC
1-2	L U N C H				
2.00-2.55					
3.00-3.55	L ESN-205 SKT				
4.05-5.00	P ESN-203 SB				
5.05-6.00	P ESN-203 SB				

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
ESN-201	BASIC PETROLOGY	DCC	3-0-2X2	AG, DPS, RC		DPS, RC
ESN-203	PALAEONTOLOGY	DCC	3-0-2X2	SB, CP		SB, CP
ESN-205	STRUCTURAL GEOLOGY-I	DCC	3-0-2X2	SKT		SKT

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Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					P ESN-305 RK
9.00-9:55					P ESN-305 RK
10.00-10:55	L ESN-305 RK	T ESN-391 (GT) ASM	L ESN-305 RC		L ESN-305 RK
11.05-12.00		T ESN-391 (GT) ASM	P ESN-305 RC		
12.05-1.00				L ESN-303 P S	
1-2	LUNCH				
2.00-2.55	L ESN-301 SBH	L ESN-301 SBH	L ESN-303 P S	P ESN-301 SBH	P ESN-303 PS
3.00-3.55	T ESN-345 SPP	L ESN-301 SBH		P ESN-301 SBH	P ESN-303 PS
4.05-5.00	L ESN-345 SPP	L ESN-345 SPP		L ESN-345 SPP	
5.05-6.00		L ESN-303 P S			

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
ESN-301	STRUCTURAL GEOLOGY-II	DCC	3-0-2	SBH		SBH
ESN-303	METAMORPHIC PETROLOGY	DCC	3-0-2	PS		PS
ESN-305	ECONOMIC GEOLOGY	DCC	3-0-2	RK, RC		RK, RC
ESN-391	TECHNICAL COMMUNICATION	DCC	0-0-2	ASM		ASM
ESN-345	ROCK & SOIL MECHANICS	DCC	3-1-0	SPP		SPP

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**Int. M.Tech Geological Technology (GLT) 4<sup>TH</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55					
10.00-10:55	L ESN-403 AKSF		L ESN-403 AKSF		L ESN-403 AKSF
11.05-12.00	L ESN-407 SSP	L ESN-407 SSP	T ESN-403 AKSF	T ESN-407 SSP	
12.05-1.00	L ESN-409 RS	L ESN-409 RS		T ESN-409 RS	
1-2	<b>L U N C H</b>				
2.00-2.55	L ESN-401 AG		SEMINAR-I ESN-411 (GLT) AG		L ESN-401 AG
3.00-3.55	T ESN-401 AG		SEMINAR-I ESN-411 (GLT) AG		
4.05-5.00		L ESN-405 PC			L ESN-405 PC
5.05-6.00					L ESN-405 PC

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L/T)	L SLOT
ES-401	PRINCIPLES OF REMOTE SENSING	DCC	2-1-0	AG	
ES-403	PRINCIPLES OF GIS	DCC	2-1-0	AKSF	
ES-407	ENGINEERING GEOLOGY	DCC	2-1-0	SSP	
ES-405	HYDROGEOLOGY	DCC	2-1-0	PC	
ES-409	PETROLEUM GEOLOGY	DCC	2-1-0	RS	
ES-411	SEMINAR-I	DCC	0-0-2	AG	

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Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55					
10.00-10:55					T ESN-559 SKT
11.05-12.00	L ESN-559 SKT		L ESN-559 SKT		L ESN-559 SKT
12.05-1.00	L ESN-557 SBH	T ESN-557 SBH			
1-2	<b>L U N C H</b>				
2.00-2.55			SEMINAR-II ESN-599 (GLT) RK		L ESN-557 SBH
3.00-3.55			SEMINAR-II ESN-599 (GLT) RK		L ESN-557 SBH
4.05-5.00					
5.05-6.00					

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
ESN-599	SEMINAR-II	DCC	0-0-2	RK		RK
ESN-559	ADVANCE STRESS AND STRAIN ANALYSIS	DEC	3-1-0	SKT		SKT
ESN-557	THEORY AND APPLICATION OF MOHR CIRCLE	DEC	3-1-0	SBH		SBH

DEPARTMENT OF EARTH SCIENCES

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**Int. M.Tech Geophysical Technology (GPT) 1<sup>ST</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55					
10.00-10:55					
11.05-12.00				P ESN-103 K	
12.05-1.00				P ESN-103 K	
1-2	<b>LUNCH</b>				
2.00-2.55			L ESN-103 K		L ESN-103 K
3.00-3.55		L ESN-103 K			
4.05-5.00	L ESN-101 ASM				
5.05-6.00					L ESN-101 AC

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
MA-001	Mathematics-I	BSC	3-1-0	--		--
ES-101	Introduction to Earth Sciences	DCC	2-0-0	ASM/AC		ASM/AC
ESN-103	Computer Programming	DCC	3-0-2	KAMAL (K)		K
PH-001	Mechanics	BSC	3-0-2	--		--
CE-105	Intro. to Environmental studies	GSC	3-0-0	--		--
HS-001A	Communication Skills	HSSC	1-0-2	--		--
HS-001B	Communication Skill(Advanced)	HSSC	1-0-2	--		--
HS-002	Ethics and Self Awareness	HSSC	1-1-0	--		--

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**Int. M.Tech Geophysical Technology (GPT) 2<sup>ND</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55			L ESN-201 RC		
10.00-10:55		L ESN-201 DPS			
11.05-12.00	L ESN-201 AG	P ESN-205 ST	P ESN-201 DPS		P ESN-201 RC
12.05-1.00	L ESN-205 ST	P ESN-205 ST	P ESN-201 DPS	L ESN-205 ST	P ESN-201 RC
1-2	LUNCH				
2.00-2.55					
3.00-3.55	L ESN-205 ST				
4.05-5.00	T ESN-223 AJ		T ESN-221 SR		L ESN-221 SR
5.05-6.00		L ESN-223 SP	L ESN-221 SR	L ESN-223 SP	T ESN-221 SR

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
ESN-201	BASIC PETROLOGY	DCC	3-0-2X2	AG, DPS, RC		DPS, RC
ESN-205	STRUCTURAL GEOLOGY-I	DCC	3-0-2X2	ST		ST
ES-221	FIELD THEORY	DCC	3-1-0	SOHOM RAY (SR)		SR
ES-223	GEOPHYSICAL PROSPECTING	DCC	2-1-0	SP		AJ

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**Int. M.Tech Geophysical Technology (GPT) 3<sup>RD</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55	L ESN-321 AC	L ESN-323 MI	L ESN-323 MI		
10.00-10:55	L ESN-305 RK	L ESN-321 AC	L ESN-305 RC	L ESN-321 AC	L ESN-305 RK
11.05-12.00	L ESN-325 SM	P ESN-325 SM	P ESN-305 RC	P ESN-321 AC	P ESN-323 MI
12.05-1.00	L ESN-325 SM	P ESN-325 SM	L ESN-325 SM	P ESN-321 AC	
1-2	L U N C H				
2.00-2.55			T ESN-391 (GPT) PP		
3.00-3.55	L ESN-323 MI	P ESN-305 RK	T ESN-391 (GPT) PP	P ESN-323 MI	
4.05-5.00		P ESN-305 RK			
5.05-6.00					

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
ES-305	ECONOMIC GEOLOGY	DCC	3-0-2	RK, RC		RK, RC
ES-321	GRAVITY AND MAGNETIC PROSPECTING	DCC	3-0-2X2	AC		AC
ES-323	ELECTRICAL PROSPECTING	DCC	3-0-2	MI		MI
ES-325	SEISMOLOGY	DCC	3-0-2	SM		SM
ES-391	TECHNICAL COMMUNICATION (ADVANCED)	DCC	0-0-2	PP		PP



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**Int. M.Tech Geophysical Technology (GPT) 4<sup>TH</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00-8:55					
9.00-9:55		SEMINAR			T ESN-423 RS
10.00-10:55		ESN-499 (GPT) PS		T ESN-475 SP	T ESN-423 RS
11.05-12.00		L ESN-421 VS	L ESN-581 SM	L ESN-581 SM	L ESN-421 VS
12.05-1.00			L ESN-421 VS	L ESN-581 SM	T ESN-421 VS
1-2	L U N C H				
2.00-2.55	L ESN-423 RS	L ESN-475 SP	L ESN-475 SP	L ESN-423 RS	L ESN-475 SP
3.00-3.55	L ESN-423 RS			L ESN-477 AJ	L ESN-477 AJ
4.05-5.00			T ESN-581 SM	L ESN-477 AJ	T ESN-477 AJ
5.05-6.00					

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L/T)
ES-421	NUMERICAL MODELLING IN GEOPHYSICS	DCC	3-1-0	VS
ES-499	SEMINAR-I	DCC	0-0-2	PS
ES-423	GEOPHYSICAL WELL LOGGING	DCC	3-0-2	RS
ES-477	STRONG MOTION SEISMOLOGY	DEC	3-1-0	AJ
ESN-581	ADVANCED SEISMIC PROSPECTING	DEC	3-1-0	SM
ESN-475	DIGITAL IMAGE PROCESSING	DEC	3-1-0	SP

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**Int. M.Tech Geophysical Technology (GPT) 5<sup>TH</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55	T ESN-571 RS				
10.00-10:55					
11.05-12.00					
12.05-1.00					
1-2	<b>LUNCH</b>				
2.00-2.55		L ESN-579 K	SEMINAR-II (GPT) ESN-599		
3.00-3.55			VS	T ESN-571 RS	
4.05-5.00				L ESN-579 K	L ESN-571 RS
5.05-6.00	L ESN-579 K	L ESN-579 K		T ESN-579 K	L ESN-571 RS

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)	L SLOT	FACULTY (P/T)
ESN-599	SEMINAR-II	DCC	0-2-0	VS		
ESN-571	RESERVOIR GEOPHYSICS	DEC	3-1-0	RS		
ESN-579	*DYNAMIC SYSTEMS IN EARTH SCIENCES	DEC	3-1-0	KAMAL		

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**M. Sc. Applied Geology 1<sup>st</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9.55					
10.00-10.55	L ESN-513 SS	P ESN-512 NR	L ESN-513 SS	L ESN-512 NR	P ESN-513 SS
11.05-12.00	T ESN-511 LS	P ESN-512 NR	L ESN-511 LS	L ESN-513 SS	P ESN-513 SS
12.05-1.00	T ESN-511 LS	L ESN-511 LS	L ESN-512 NR	L ESN-511 LS	L ESN-512 NR
1-2	L U N C H				
2.00-2.55	L ESN-514 DCS	L ESN-514 DCS		L ESN-514 DCS	T ESN-514 DCS
3.00-3.55	T ESN-510 VS			L ESN-510 VS	T ESN-514 DCS
4.05-5.00	T ESN-510 VS	L ESN-510 VS			L ESN-510 VS
5.05-6.00					

CODE	COURSE NAME	TYPE	L-T-P	FACULTY (L)
ESN-510	NUMERICAL TECHNIQUES AND COMPUTER PROGRAMMING	DCC	3-0-2	VS
ESN-511	CRYSTALLOGRAPHY AND MINERALOGY	DCC	3-0-2	LS
ESN-512	GEOCHEMISTRY	DCC	3-0-2	NR
ESN-513	IGNEOUS PETROLOGY	DCC	3-0-2	SS
ESN-514	STRUCTURAL GEOLOGY	DCC	3-0-2	DCS

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**M. Sc. Applied Geology 2<sup>ND</sup> Year**

Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Time					
8.00-8:55					
9.00-9:55					
10.00-10:55		L ESN-609 PP			L ESN-609 PP
11.05-12.00	L ESN-608 RC	L ESN-608 RC		L ESN-608 RC	P ESN-531 BB
12.05-1.00	L ESN-610 MI	L ESN-610 MI	L ESN-609 PP	T ESN-608 RC	P ESN-531 BB
1-2	L U N C H				
2.00-2.55		L ESN-605 DPS		L ESN-605 DPS	L ESN-605 CP
3.00-3.55	L ESN-532 SP	L ESN-609 PP	L ESN-531 BB	L ESN-531 BB	P ESN-605 CP
4.05-5.00	T ESN-532 AJ	T ESN-609 PP		L ESN-531 BB	L ESN-610 MI
5.05-6.00	T ESN-532 AJ	L ESN-532 SP		L ESN-532 SP	T ESN-610 MI

CODE	COURSE NAME	TYPE	L-T-P	FACULTY
ESN-531	SEDIMENTOLOGY AND STRATIGRAPHY	DCC	3-0-2	BB
ESN-532	GEOPHYSICAL PROSPECTING	DCC	3-1-0	SP, AJ
ESN-605	PALEOECOLOGY	DEC	3-1-0	DPS, CP
ESN-608	Mineral Exploration and Mining Geology	DEC	3-1-0	RC
ESN-609	PETROLEUM GEOLOGY	DEC	3-1-0	PP
ESN-610	WELL LOGGING	DEC	3-1-0	MI