# Indian Institute of Technology Bhubaneswar
## School of Earth, Ocean and Climate Sciences, Autumn-2020-21
### MSc in Geology (Geo), MSc in Atmosphere and Ocean Sciences (Atm), Mtech in Climate Science & Technology (CL)

| DAY | Programme | Year | 8:00 - 8:55 | 9:00 - 9:55 | 10:00 - 10:55 | 11:00 - 11:55 | 12:00 - 12:55 | 1:30 - 2:30 | 2:30 - 3:30 | 3:30 - 4:30 | 4:30 - 5:30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monday | MSc (Geo) | First | | SGL SBS 004 | SGL SBS 004 | SGL SBS 004 | | UES SBS 004 | UES SBS 004 | SG SBS 004 | |
| | MSc (Geo) | Second | | | BGP/ACA | BGP/ACA | | GTE | GTE | OG SES 018 | OG SES 018 |
| | MSc (Atm) | First | | | ACA | ACA | | | FMO | FMO | MSMCS |
| | MSc (Atm) | Second | | Project | OADA | OADA | | GTE | GTE | CRHT-SMS | MM-SBS |
| | MTech (CL) | First | | | SH-SIF/ACA | SH-SIF/ACA | PAO | | EII | CRHT-SMS | MSMES/MM-SBS |
| Tuesday | MSc (Geo) | First | | AMC SBS 004 | AMC SBS 004 | IMP SBS 004 | IMP SBS 004 | | AMC Lab | AMC Lab | AMC Lab |
| | MSc (Geo) | Second | BFD | BFD | | GTE | | OG Lab SBS 004/005 | OG Lab SBS 004/005 | OG Lab SBS 004/005 | CPG SBS 004 |
| | MSc (Atm) | First | | WAF Lab SBS 005 | WAF Lab SBS 005 | WAF Lab SBS 005 | | DAO | DAO | | |
| | MSc (Atm) | Second | BFD | BFD | | GTE | | | | MLDA-SES | MLDA-SES |
| | MTech (CL) | First | | WAF Lab SBS 005 | WAF Lab SBS 005 | WAF Lab SBS 005 | | DAO | DAO | MLDA-SES | MLDA-SES |
| Wednesday | MSc (Geo) | First | | IMP SBS 004 | IMP SBS 004 | CG SBS 0045 | | Pet Lab | Pet Lab | Pet Lab | Pet Lab |
| | MSc (Geo) | Second | | BGP/ACA | Project | Project | | BFD | | | |
| | MSc (Atm) | First | | | | FMO | | PAO | PAO | MSMCS | MSMCS |
| | MSc (Atm) | Second | | ACA | CRHT-SMS | CRHT-SMS | | BFD | | MM-SBS | MM-SBS |
| | MTech (CL) | First | | ACA | SOM/CRHT-SMS | CRHT-SMS | | PAO | PAO | MSMES/MM-SBS | MSMES/MM-SBS |
| Thursday | MSc (Geo) | First | | SG SBS 004 | UES SBS 004 | CG SBS 004 | | CG Lab | CG Lab | CG Lab | |
| | MSc (Geo) | Second | | Project | Project | Project | | CPG SES 018 | CPG SES 018 | OG SES 018 | |
| | MSc (Atm) | First | | PAO | MDPOA | MDPOA | | ASMCS Lab SBS 011 | ASMCS Lab SBS 011 | ASMCS Lab SBS 011 | |
| | MSc (Atm) | Second | | | SO | SO | | ADAWP | ADAWP | CDS-SMME | CDS-SMME |
| | MTech (CL) | First | | PAO | SOM | SOM | SH-SIF | EII | EII | CDS-SMME | CDS-SMME |
| Friday | MSc (Geo) | First | | AMC SBS 004 | SG SBS 004 | CG SBS 004 | | Seminar | | | |
| | MSc (Geo) | Second | | Project | | Project | | Seminar I | | | |
| | MSc (Atm) | First | | DAO | | MDPOA | | Reserve Slot* | | | |
| | MSc (Atm) | Second | | MMO | MMO | MLDA-SES | | Reserve Slot* | Seminar | | CDS-SMME |
| | MTech (CL) | First | | DAO | DAO | MLDA-SES | MLDA-SES/SH-SIF | Seminar I | Seminar | | CDS-SMME |

**MSc in Geology (First Semester)**
UES: Understanding Earth System (ES5L101) [RKS +RGS+SS]
IMP: Igneous & Metamorphic Petrog. (ES5L102) [Dr. YKS + RLM]
SG: Structural Geology (ES5L103) [YKS]
AMC: Advanced Mineralogy & Crystallography (ES5L104) [RKS]
CG: Computational Geosciences (ES5L105) [RKS + SS]
SGL: Structure Geology Lab. (ES5P103) [YKS]
Pet Lab: Petrology Lab. (ES5P102) [YKS + RLM]
AMC Lab: Adv. Mineral. & Crystallography Lab (ES5P104) [RKS]
CG Lab: Computational Geos. Lab. (ES5P105) [KL + RKS]

**MSc in Geology (Third Semester)**
CPG: Coal and Petroleum Geology (ES5L302) [SHF]
OG: Ore Geology (ES5L301) [RLM]
Elective I BGP: Borehole Geophysics (ESS6003) [RGS]/Atmospheric Chemistry & Aerosol (CL6L211) [VV]/Surface Hydrology (CE6L502) [MR-SIF]
Elective II GTE: Geothermal Energy (ES5L 417) [SHF + RGS]/BFD: Basics of Fluid Dynamics (CL5L419) [KL]/Conduction & Radiation Heat Transfer (ME6L104) [SRK-SMS]
OG Lab: Ore Geology Lab. (ES5P008) [RLM + Adjunct]
Seminar – I (ES5S301) [RKS + Others]
Project Work – I (ES5D301) [RKS + Others] Field Training (3/4 Weeks) (ES5T301) [RKS + Others]

**MSc in Atmosphere and Ocean Sciences (First Semester)**
FMO: Fundamental of Meteorology & Oceanography (CL5L101) [UCM + DS]
MSMCS: Mathematical & Stat. Methods in Climate Science (CL5L102) [KL]
PAO: Physics of Atmosphere & Ocean (CL5L103) [SPT]
DAO: Dynamics of Atmosphere & Ocean (CL5L104) [UCM + DS]
ACA: Atmospheric Chemistry and Aerosol (CL5L105) [VV]
MDPOA: Modelling of Dyn. Processes of Ocean & Atmos. (CL5L106) [SS]
WAF Lab: Weather Analysis and Forecasting Lab. (CL5P101) [SPT + VV]
ASMCS Lab: Appl. of Stats. & Maths. in Climate Science Lab. (CL5P102) [KL]

**MSc in Atmosphere and Ocean Sciences (Third Semester)**
MMO: Micrometeorology and Oceanography (CL5L301) [SPT]
ADAWP: Atmospheric Diffusion, Air and Water Pollution (CL5L302) [VV]
Elective I CRHT:Conduction and Radiaton Heat Transfer (ME6L104) [SRK-SMS]/CDS:Chaos in Dynamical Systems (ID6L003) [Deo-SMMME]/GTE: Geothermal Energy (ES5L417) [SHF + RGS]
Elective II BFD: Basics of Fluid Dynamics (CL5L419) [KL]/MLDA:Machine Learning & Data Analytics-I (ID6L004) [SES]/MM:Mathematical methods (MA6L001) [BCM-SBS]
OADA: Objective Analysis and Data Assimilation (CL5L303) [SS]
SO: Satellite Oceanography (CL5L304) [DS]
Seminar I (CL5S301) [VV + Others]
Project I (CL5D302) [VV + Others]

**MTech in Climate Science & Technology (First Semester)**
PAO: Physics of Atmosphere and Ocean (CL6L101) [SPT]
DAO: Dynamics of Atmos. & Ocean (CL6L102) [UCM + DS]
EII: Earth and Its Interior (CL6L103) [RGS + SHF]
Elective - I ACA: Atmos. Chemistry & Aerosol (CL5L105) [VV]/SH:Surface Hydrology (CE6L502) [MRD-SIF]/MLDA: Machine Learning & Data Analytics-I (ID6L104) [MS-SES]
Elective - II SOM: Satellite Oceanography and Meteorology (CL6L128) [DS]/CRHT:Conduction and Radiaton Heat Transfer (ME6L104) [SRK-SMS]/WWT: Waste Water Treatment (CE6L102) [MB-SIF]
Elective - III MSMES: Mathematics and Statistical Methods in Earth System Science [KL]/MM: Mathematical methods (MA6L001) [BKM-SBS]/CDS:Chaos in Dybamical Systems (ID6L003) [Deo-SMMME]
WAF Lab: Weather Analysis & Forecasting Lab. (CL6P101) [ SPT + VV]
Seminar - I (CL6S101) [SPT + Others]

**MTech in Climate Science & Technology (Third Semester)**
Thesis Part - I (CL6D301) [KL + Others]
Research Review Paper - I (CL6D302) [KL + Others]

NOTE:
LBC: 1st Year Lab Complex; SBS: School of Basic Sciences; SES: School of Electrical Sciences; SIF: School of Infrastructure; SMS: School of Mechanical Scien...
Reserve Slot*: For School or Institute Academic Ac...
Class of BTech (1st, 5th semester) and MSc (3th semester) starts at 8:00 AM and have lunch time between 12:00 PM to 1:30 P...
Class of BTech (3rd, 7th semester), MSc (1st Semester) and MTech (1st semester) starts at 9:00 AM and have lunch time between 1:00 PM to 2:30 PM