

Course Catalogue

Orientation of the M.Sc. Course in Different Semesters

1st Semester

CORE COURSES

ATMOS C11: Physical Meteorology

ATMOS C12: Dynamic Meteorology

ATMOS C13: Synoptic Meteorology

ATMOS C14: General Climatology

SUPPORTIVE COURSES

ATMOS S11: Remote Sensing in Meteorology

Theory

40

40

40

40

50

Practical

10

10

10

10

16 credits

3+1 credits

3+1 credits

3+1 credits

3+1 credits

2 credits

2+0 credits

2nd Semester

CORE COURSES

ATMOS C21: Advanced Dynamic Meteorology

ATMOS C22: Air Pollution & Atmospheric Chemistry

ATMOS C23: Cloud Physics & Atmospheric Electricity

ATMOS C24: Meteorological Instrumentation

& Observational Technique

SUPPORTIVE COURSES

ATMOS S21: Oceanography

OPTIONAL COURSES

ATMOS O21: Tropical Meteorology

ATMOS O22: Climate Sciences

Theory

40

30

30

30

40

30

30

Practical

10

10

10

10

10

10

14 credits

2+1 credits

3+1 credits

2+1 credits

3+1 credits

2 credits

2+0 credits

2 credits

1+1 credits

1+1 credits

3rd Semester

CORE COURSES

ATMOS C31: Atmospheric Data Analytics

ATMOS C32: Micro & Meso Scale Meteorology

ATMOS C33: Seismology, Geophysics and Geodesic

SUPPORTIVE COURSES

ATMOS S31: Numerical weather Prediction

ATMOS S32: Upper Atmospheric Dynamics

OPTIONAL COURSES

ATMOS O31: Geographical Information Systems

ATMOS O32: Aviation Meteorology

Theory

30

30

30

50

50

30

30

Practical

10

10

10

12 credits

3+1 credits

3+1 credits

3+1 credits

4 credits

2+0 credits

2+0 credits

2 credits

2+0 credits

2+0 credits

4th Semester

CORE COURSES

ATMOS C41: Middle Atmospheric Dynamics

ATMOS C42: Agro & Hydro Meteorology

ATMOS C43: Dynamics of Coupled Systems

SUPPORTIVE COURSES

ATMOS S41: Introduction to Global Modelling

ATMOS S42: Atmospheric Weather Extremes

SEMINAR ON PROJECT WORK

GRAND VIVA

Theory

30

30

20

30

20

30

40

Practical

10

10

10

10

10

12 credits

3+1 credits

3+1 credits

3+1 credits

4 credits

1+1 credits

1+1 credits

0+1 credits

0+1 credits