

| <u>DIPLOMA IN METEOROLOGY AND CLIMATE SCIENCES (DMCS)</u> | | | | | |
|--|--|-----------|-----------|-----------|-----------|
| Year one | | | | | |
| Module code | Module Name | LH | PH | CH | CU |
| Semester 1 | | | | | |
| DM 111 | Mathematics | 45 | 30 | 60 | 4 |
| DM 112 | Physics | 45 | 30 | 60 | 4 |
| DM 113 | Meteorological Instruments, Codes and Methods of Observation | 30 | 60 | 60 | 4 |
| DM 114 | Statistical Methods | 30 | 30 | 60 | 4 |
| DM 115 | Communication and life Skills | 30 | 30 | 45 | 3 |
| DM 116 | Introduction to computer applications | 15 | 90 | 60 | 4 |
| DM 117 | Gender and climate | 30 | 30 | 45 | 3 |
| Total semester load = 26 | | | | | |
| Semester 2 | | | | | |
| DM 121 | Vector Analysis | 30 | 30 | 45 | 3 |
| DM 122 | Physical Meteorology I | 30 | 30 | 45 | 3 |
| DM 123 | Climate System and Analytics | 30 | 30 | 45 | 3 |
| DM 124 | Synoptic Meteorology | 30 | 30 | 45 | 3 |
| DM 125 | Remote Sensing | 30 | 30 | 45 | 3 |
| DM 126 | Research Methods | 30 | 30 | 45 | 3 |
| DM 127 | Principles of Geographic Information Systems (GIS) | 15 | 90 | 60 | 4 |
| Total semester load = 22 | | | | | |
| YEAR TWO | | | | | |
| Course Code | Course Title | LH | PH | CH | CU |
| Semester 1 | | | | | |
| DM 211 | Tropical Meteorology | 30 | 30 | 45 | 3 |
| DM 212 | Dynamic Meteorology I | 30 | 30 | 45 | 3 |
| DM 213 | Physical Meteorology II | 30 | 30 | 45 | 3 |
| DM 214 | Agrometeorology | 30 | 60 | 60 | 4 |

| | | | | | |
|---------------------------------|--|----|-----|----|---|
| DM 215 | Climate Change, Mitigation and Adaptation Strategies | 60 | 00 | 45 | 4 |
| DM 216 | Environmental Pollution and Control | 30 | 30 | 45 | 3 |
| DM 217 | Entrepreneurship Skills | 30 | 30 | 45 | 3 |
| DM 218 | Statistical Software for data analysis | 15 | 60 | 45 | 3 |
| Total semester load = 26 | | | | | |
| Semester 2 | | | | | |
| DM 221 | Dynamic Meteorology II | 45 | 00 | 45 | 3 |
| DM 222 | Aviation Meteorology | 30 | 30 | 45 | 3 |
| DM 223 | Principles of weather forecasting | 30 | 60 | 60 | 4 |
| DM 224 | Hydrometeorology | 30 | 30 | 45 | 3 |
| DM 225 | Research Project | 15 | 120 | 75 | 5 |
| DM 226 | Industrial Training | 00 | 360 | 45 | 3 |
| Total semester load = 21 | | | | | |