



MINISTRY OF ENVIRONMENT, NATURAL RESOURCES AND
 REGIONAL DEVELOPMENT AUTHORITIES
KENYA METEOROLOGICAL DEPARTMENT
 Institute for Meteorological Training and Research/
 World Meteorological Organization, Regional Training Centre
 (IMTR/WMO-RTC), Nairobi



2018 COURSE ANNOUNCEMENT

All Courses are competence-based and upon completion the student/participant will be able to demonstrate the requisite competencies in the particular area of study.

| Course | Minimum Entry Requirements | Duration | Course Objectives |
|---|--|-------------------------------------|---|
| Operational Training Course (OTC) | The course is intended for holders of BSc. degrees in Meteorology | 6 Months Starting January/June 2018 | Prepares the trainee for a professional career in Operational Meteorology through simulations and on-the-job training (OJT). At the end of the course the trainees will be able to demonstrate the requisite competencies for operational forecasters. They will thus be able to; analyze and monitor the weather situation, forecast meteorological phenomena, warn of hazardous phenomena, ensure quality of meteorological information and communicate meteorological information to users |
| Aeronautical Meteorological Forecasters Course | The course is intended for holders of a BSc. degree in Mathematics and Physics | 6 Months On Request | Introduces trainee to Meteorology and prepares them for a professional career in Aeronautical Meteorological Forecasting in an operational forecasting office. The training provides the student with the Basic Instruction Package for Meteorologists working at Aeronautical Meteorological Forecasting Offices in line with WMO No. 1083. It further equips the trainee with the knowledge to demonstrate the requisite skills and competencies for Aeronautical Meteorological Forecasters. Upon completion, the participants will be able to analyze and monitor the weather situation, forecast aeronautical meteorological phenomena, warn of hazardous phenomena, ensure quality of meteorological information and communicate meteorological information to users. |



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| <p style="text-align: center;">Advanced Meteorological Technician Course (AMTC)-WMO Class II</p> | <p>O-level certificate with mean grade C (or equivalent) and credits in English, Mathematics and Physics/Physical Science</p> | <p style="text-align: center;">2 years starting January 2018</p> | <p>Equips the trainee with knowledge and skills to work as an Advanced-level Meteorological Technician with prospects to work in weather /climate/ environmental monitoring, forecasting, research, and training. The training provides the student with the skills and knowledge contained in the Basic Instruction Package for Meteorological Technicians. It further seeks to ensure that the trainees can demonstrate skills and requisite competencies to work as Meteorological Technician.</p> |
| <p style="text-align: center;">Advanced Meteorological Technician Course (AMTC)-WMO Class II</p> | <p>A-level certificate with mean grade C (or equivalent) and credits in English, Mathematics and Physics/Physical Science or a Middle Meteorological Technicians Certificate (WMO Class III).</p> | <p style="text-align: center;">1 year starting January 2018</p> | <p>Equips the trainee with knowledge, skills and competencies to work as an Advanced-level Meteorological Technician with prospects to work in weather /climate/environmental monitoring, forecasting, research, and training. The training provides the student with the skills and knowledge contained in the Basic Instruction Package for Meteorological Technicians (BIP-MT). It further equips the trainee with the requisite demonstrable competencies to work as a Meteorological Technician.</p> |
| <p style="text-align: center;">Marine Meteorological Course (MMC)</p> | <p>The course is intended for holders of a BSc. degree in Meteorology</p> | <p style="text-align: center;">3 months On Request</p> | <p>Equips the trainee with basic knowledge and skills in Marine Meteorology and Oceanography to enable them to carry out duties in a Marine Meteorological Office.</p> |
| <p style="text-align: center;">Middle Meteorological Technician Course (MMTC)</p> | <p>O –level certificate with, mean grade C (or equivalent) with credits in English, Mathematics and Physics /Physical sciences.</p> | <p style="text-align: center;">18 Months starting January 2018</p> | <p>Equips the trainee with basic knowledge and skills to accurately and objectively carry out routine meteorological and related observations. Aims at providing the student with the skills and knowledge contained Basic Instruction Package for Meteorological Technicians. The trainee will be able to demonstrate the requisite meteorological observational competencies.</p> |



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| Specialized Aeronautical Meteorological Observations Course (SAMOC) | O-level certificate. Suitable Meteorological observations working in the field of aviation. | 3 Months starting March/September 2018 | Equips the trainee with skills to make Aeronautical meteorological observations. The trainee will be able to monitor the weather, observe and record meteorological phenomena, ensure quality of system performance and of meteorological information and communicate meteorological information to users. Successful candidates will be awarded certificates of competence in Aeronautical Meteorological Observations |
| Specialized Aeronautical Meteorological Forecasters Course (SAMFC) | O-level certificate. Suitable for para-professionals working in the field of aviation. | 3 Months starting March/September 2018 | Enhances participants' skills in the use of aviation specific codes and practices and broadens their knowledge in diagnosing and forecasting aviation specific phenomena. Upon completion, the participants will be able to analyze and monitor the weather situation, forecast aeronautical meteorological phenomena, warn of hazardous phenomena, ensure quality of meteorological information and communicate meteorological information to users. Successful candidates will be awarded certificates of competence in Aeronautical Meteorological Forecasting |
| Disaster Management Course | O-level certificate. Suitable for persons working in Disaster Management Services and related fields. | 3 weeks On Request | Enhances the capacity of the participants to effectively address disaster management and disaster risk reduction issues, and contribute effectively to poverty reduction, humanitarian assistance and sustainable development. |
| Climate Change and Sustainable Development | O-level certificate. Suitable for professionals working in Meteorology, hydrology, agriculture, marine, construction, environment, manufacturing, NGOs, CBOs, FBOs. | 2 weeks On Request. | Equips the participants with knowledge and skills in climate/ climate change detection and attribution, mitigation adaptation, and related environmental issues. Participants will also be equipped with skills to spur environmentally sustainable socio-economic development. |



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| Course in Applied Climatology (CAC) | O-level certificate. Suitable for professionals/para-professionals working in the fields of Meteorology, operational hydrology, environmental management and related areas. | 4 weeks On Request. | Equips participants with knowledge in application of climatology in various specialized fields. Participants will also be appraised on topical developments in climate related issues like climate change. |
| Table Driven Code Formats (TDCF) Course | Meteorological Technician certificate or WMO Class III | 4 weeks On Request. | Equips the trainees with knowledge and skills to apply digital code formats in the representation and exchange of meteorological data in accordance with World Meteorological Organization (WMO) requirements |
| Data Management and CLIMSOF T Course | Open to individuals involved in data collection, data quality control and analysis. | 4 weeks On Request. | Improves technical and operational skills of trainees in data management practices, quality control and analysis for immediate application at work. |
| GIS & Remote Sensing | O-level certificate, mean grade C. Open to individuals who require Improving their skills in visualization, analysis, interpretation and understanding of data relationships, patterns, and trends. | 1 month On Request | Custom-made for clients whose staff require training in examining specific problems and finding solutions, and to improve technical, managerial, strategic and operational skills of staff for immediate application at work. |
| Meteorological Instruments and Methods of Observation Course (MIMOC) | O-Level Certificate. Open to individuals who require to learn meteorological observation techniques | 3 months On Request | Enables the trainee understand the principles of basic meteorological instruments and observational techniques. |
| Broadcast Meteorology | O-level certificate. Open to individuals who make weather presentations through electronic media | 6 weeks On Request. | Equip participants with skills that enable them to make weather presentations through the electronic media more effectively. |



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| <p style="text-align: center;">Advanced Meteorological Instruments and Data Management Course (AMIDMC)</p> | <p>O-level certificate. Open to individuals carrying out maintenance of meteorological instruments, meteorological observations.</p> | <p style="text-align: center;">5 weeks starting On Request</p> | <p>Provide the participant with an opportunity to enhance their skills and expertise in the field of meteorological observations and maintenance of basic meteorological instruments, water resources assessment, data processing and analysis and interpretation of meteorological data.</p> |
| <p style="text-align: center;">Instruments Maintenance and Calibration Course (IMCC)</p> | <p>O-level certificate, Open to individuals with knowledge in basic meteorological instruments and observations</p> | <p style="text-align: center;">4 weeks On Request.</p> | <p>Equips participants with knowledge and practical skills in the science of measurement as well as care and calibration of meteorological instruments.</p> |
| <p style="text-align: center;">EUMETSAT-IMTR Satellite Applications Course</p> | <p>Meteorologists and weather forecasters</p> | <p style="text-align: center;">Online August to September, 2018 Classroom November, 2018</p> | <p>To increase the knowledge and skills of meteorological trainers and users in the use of satellite data and products. The course is designed to for in two phases: <i>online and face-to-face</i>. The online phase lasts 6 weeks followed by 1 week of face-to-face physical interaction in a classroom/field training set-up at IMTR.</p> |
| <p style="text-align: center;">Advanced Forecasting Course (AFC)</p> | <p>Meteorologists and weather forecasters</p> | <p style="text-align: center;">3 months On Request</p> | <p>Equip the trainee with forecasting skills to enable them make accurate weather forecasts At the end of the training, the student should be able to analyze and monitor the weather situation, forecast meteorological phenomena, warn of hazardous phenomena, ensure quality of meteorological information and communicate meteorological information to users.</p> |



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|---|--|--------------------------------------|--|
| <p>Regional Initial Forecasting Course (IFC)</p> | <p>The course is intended for holders of a BSc. degree in Maths, Chemistry and Physics.</p> | <p>1 year starting June 2018</p> | <p>Prepares the trainee for a professional career in Operational Meteorology through simulations and on-the-job training (OJT). At the end of the course the trainees will be able to demonstrate the requisite competencies for operational forecasters. They will thus be able to; analyze and monitor the weather situation, forecast meteorological phenomena, warn of hazardous phenomena, ensure quality of meteorological information and communicate meteorological information to users</p> |
| <p>Aeronautical Continuous Professional Development Course</p> | <p>The course is intended for Aeronautical Meteorological Forecasters, Aeronautical Meteorological Officers & Managers and Instructors</p> | <p>3 months On Request</p> | <p>To increase the knowledge, skills and Competencies of Aeronautical Meteorological Forecasters, Aeronautical meteorological Officers, Managers and Instructors serving the Aviation sector. The course is designed to be implemented in two phases: online and face-to-face. The online phase will last 8 weeks followed by 2 weeks of face-to-face physical interaction in a classroom/field training set-up at IMTR.</p> |



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Tuition Fees

These vary according to the course. Please get in touch with the undersigned for the respective tuition fees for each course

Non Tuition charges:

Examination Fees- Ksh 2,000; Pupil's Pass- Ksh 5,000 ; Field Training (for courses of over 3 months duration)- Ksh 35,000; Books/stationery allowance- Ksh 25,000 per year (for courses of 6 months & above); Alien Registration- Ksh 2,000; Caution money (Refundable)- Ksh 5,000; Project allowance- Ksh 20,000 (for courses with projects), Student's Identity Card-Ksh 2,000.

Note:

- 1. Student's stipend is normally determined by the sponsor. It should be paid directly to the student/participant*
- 2. All students must have an international medical cover and provide proof of the same.*
- 3. Taylor-made courses for groups of five and above may be organized on request. (A Minimum of 5 participants is required)*
- 4. Payments must be made prior to admission.*
- 5. Accommodation is available on request at Ksh 45,000.00 per month for full board self-contained rooms*

Application Procedure

Download the application form from <http://www.meteo.go.ke/imtr/Applicationform.htm>. Apply in writing to the undersigned, attaching photocopies of academic certificates and National Identity card. A non-refundable fee of KSh. 500.00 paid by banker's cheque payable to the Kenya Meteorological Department should accompany the application.

The Principal

Institute for Meteorological Training and Research, IMTR/WMO-RTC

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