

ADF - AIR DEFENCE (ADF)

ADF 3003 Air Defence Systems (2-2-3)

The organisation, equipment and concept of operations of ground and air based Air Defence assets and formations of the UAE and Allied Forces. Systems considered include ground and maritime weapons systems, communications systems, and aircraft.

Prerequisites: AHM 1203, AVS 2153, ADF 3103

ADF 3013 Air Defence Tactics (2-2-3)

The main principles of Air Defence Tactics involving the early warning units, strategic air defence units, airborne air defence and command and control of air defence units. The course covers the integration of ground based and airborne early warning units, ground based weapons and communication systems. The employment of strategic air defence units are discussed and the integration of air defence units attached to Land Forces.

Prerequisites: ADF 3103, AVS 3153

ADF 3103 Air and Space Power (2-2-3)

Air Forces Organization and Weapons, Types and Methods of Air Attack, Air Superiority and Counter Air Operations, Strategic Attack, Close Air Support, Air Interdiction, Air Mobility, Intelligence Surveillance and Reconnaissance, Air Operations Management, C2 Principles, Air Space Control, Electronic Warfare, Discussions, Airbase Visit and Air Operations Centre Visit.

ADF 4003 Tactical Communications Systems (2-2-3)

Students examine the unique communications requirements of military forces. Communications Organisation (Communication Force), and Communication Systems and Regulations are studied to prepare the student to communicate securely and successfully using the appropriate methods for each communication requirement. Tactical radio and wireless communication systems and their technical specifications are covered.

Prerequisites: AVS 1013

ADF 4013 Land Forces Organisation and Weapons (2-2-3)

The organisation, structures, equipment and capabilities of individual Land Force formations and organisations are examined in the context of the military effect they would be expected to achieve. Students then determine how individual formations and organisation are assembled together to provide a larger capability for detachment or deployment.

ADF 4112 Airspace Management (1-2-2)

Explains how civilian and military air-space is managed through structures and regulations for safety and security. Students will learn Rules of the Air, General Airspace Division and Classification, UAE ATC Organization, UAE Military Airspace, Aeronautical Documentation, Civil Control Techniques, Fighters in a Training Zone, Separation Norms, Picture Building Airspace, UAE AOC Divisions, Air Tasking Orders, Airspace Co-ordination, COMPLAN & SPINS, AP Mission Brief.

Prerequisites: AVS 3103 or AVS 3193

ADF 4123 Fighter Control (2-2-3)

Fighter Control capability is discussed, from the history of the first use of Fighter Controllers to the modern capability. Fighter Control organisations and functions are reviewed, to include Control & Reporting Centres, Airborne Early Warning, and C4ISR. Personnel roles within Fighter Control organisations are also reviewed.

Prerequisites: ADF 3103, AVS 2153

ADF 4134 Aircraft Recognition (3-1-4)

Aims at providing students with the skills of recognition of different national, regional and international aircraft. The course includes technical and tactical aircraft recognition points, the importance of Aircraft Recognition, How to update & find new Aircraft types, Practical Exercise - Aircraft fact finding, recognitions of Fighter aircraft, Bombers, Reconnaissance aircraft, Training aircraft, Transport aircraft, Helicopters, Unmanned aerial vehicles (UAV) & Missiles, and Area Countries Aircraft.

ADF 4207 Ground Based Air Defence Systems Operation (3-4-7)

Students deploy and practice the use of ground based air defence assets. Equipment specifications, modes of operation and tactics for use are discussed and students will carry out live or simulated operation of the equipment against a simulated threat.