

Intelligence & Security Courses

International Imagery Analysis Course No: 493/003

Aim of Course	Outline of Syllabus	Remarks
<p>To teach the principles and practices of Imagery Analysis, and its application within the defence community.</p> <p>Students do not need previous experience in this area as the course covers the first principles. The course uses a variety of soft-copy imagery types and all theory taught on the course is supported by practical and exercise periods.</p>	<p>Fundamentals of Imagery Analysis</p> <ul style="list-style-type: none"> • Information Technology <ul style="list-style-type: none"> • Overview and application of Image Enhancement software (ERDAS Imagine) and training in generic soft-copy image processing skills. • Preparing imagery for presentations (Powerpoint) • Principles of Sensors <ul style="list-style-type: none"> • Comparative advantage and uses of each imagery type • Electro-Optical • Infra-Red • RADAR • Scaling and Measurement • Image-Map Comparison <ul style="list-style-type: none"> • Basic map reading / symbology and imagery to map relationship • Target Location <ul style="list-style-type: none"> • Coordinate systems and relationship / transformation between systems • Datum Systems • Geographical Information on Imagery • Imagery Analyst Technique <ul style="list-style-type: none"> • Teaches the skill of identifying common objects on imagery across the full range of imagery types <p>Applied Imagery Analysis - Identification and Analysis of:</p> <ul style="list-style-type: none"> • Industries and Infrastructure <ul style="list-style-type: none"> • Common Industrial Utilities • Water Treatment • Power Generation and Distribution • Coke, Iron and Steel • Aluminium • Ground Forces <ul style="list-style-type: none"> • Military Vehicles. Recognition and reporting of military equipment by role • Orders of Battle (ORBAT) • Tables of Organisation and Equipment (TO&E) • Military Infrastructure / Barracks Layout • Using Imagery for Route Reconnaissance (Transportation infrastructure and terrain from a military perspective as a method of assessing the viability of a route). • Naval Forces <ul style="list-style-type: none"> • Naval Infrastructure and Equipment • Ports and Harbours • Warship and Merchant Vessel Basic Systematic Description • Air Forces <ul style="list-style-type: none"> • Basic missile components and associated systems and equipment • Radar installation and application • Airfields layout and significance of functional areas • Aircraft description from first principles and recognition 	

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
Officers and Non Commissioned Officers from all services and civilian equivalents.			Progressive testing throughout the course to qualify for their attendance certificate and course report.	Once a year

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