

Remote Sensing in Environmental Management

Online

13 - 17 October 2025

UK Training

PARTNER



Remote Sensing in Environmental Management

Code: NC28 From: 13 - 17 October 2025 City: Online Fees: 2400 Pound

Introduction

The Advanced Remote Sensing in Environmental Management course is designed to provide participants with a comprehensive understanding of the most modern and advanced remote sensing techniques used in environmental management. The course will cover a wide range of topics, including data acquisition, image processing, and analysis, as well as the application of remote sensing in various environmental management tasks. Participants will gain hands-on experience through practical exercises and case studies, enabling them to apply their knowledge effectively in real-world scenarios.

Course Objectives

- To introduce participants to advanced remote sensing concepts and techniques in the context of environmental management.
- To provide participants with a comprehensive understanding of data acquisition methods and satellite imagery.
- To familiarize participants with advanced image processing and analysis techniques for extracting environmental information.
- To explore the application of remote sensing in environmental monitoring, land cover classification, change detection, and other relevant tasks.
- To equip participants with the skills to interpret and integrate remote sensing data with other geospatial information for effective environmental management.

Course Outline

Day 1

Introduction to Remote Sensing in Environmental Management

- Overview of remote sensing principles and technologies
- Role and significance of remote sensing in environmental management
- Types of remote sensing platforms satellites, drones, etc. and sensors
- Introduction to key remote sensing data sources and products

Day 2

Remote Sensing Data Acquisition and Preprocessing

- Data acquisition methods and sources satellite imagery, aerial photography, LiDAR, etc.
- Data preprocessing techniques radiometric and geometric corrections, atmospheric correction, etc.
- Hands-on exercises on data acquisition and preprocessing



Day 3

Image Processing and Analysis Techniques

- Image enhancement and display techniques
- Image classification methods supervised, unsupervised, object-based, etc.
- Change detection and time-series analysis
- Practical exercises on image processing and analysis

Day 4

Application of Remote Sensing in Environmental Monitoring

- Land cover and land use mapping
- Vegetation monitoring and assessment
- Water quality and coastal zone management
- Case studies and practical applications

Day 5

Integration and Interpretation of Remote Sensing Data

- Integration of remote sensing data with GIS and other geospatial information
- Interpretation and analysis of remote sensing results
- Effective communication of remote sensing information for decision-making
- Final project or case study presentation



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House





UK Training

PARTNER

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com



Jersey, New Jersey (USA)

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com



UK Training
PARTNER



UK Training

PARTNER



Toronto (Canada)

UK Training

PARTNER



Blackbird Training Cities

Asia



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)
(Malaysia)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)

Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING

 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

