

ESA Mission Operations Academy #4

Monday 19 May 2025 - Friday 23 May 2025

ESA/ESOC

Programme

19.05. Optional (but recommended): Welcome Drink and Dinner @ Roeders at 19:00 (*included in fee*)

20.05.:

Introduction
Concept of Operations, Architecture and Interfaces
Mission Analysis
Flight Dynamics
Ground Facilities
Mission Data Systems

21.05.:

Mission Operations Segment Integration, Verification and Validation
Mission Operations from LEOP to Routine
Spacecraft Anomaly Management and Contingency Operations
Space Debris and collision avoidance
Hands-on "Space Debris"

22.05.:

Mission Planning and Scheduling
Writing procedures
ESOC tour

23.05.:

Introduction to Main Control Room Systems and Voice Loop Procedures
Introduction to Team Simulation Exercise
Team Simulation Exercise
Conclusion

Note: including business networking lunch breaks with ESA experts