

# **ESA Mission Operations Academy #3**

**Monday 17 February 2025 - Friday 21 February 2025**

**ESA/ESOC**

## **Programme**

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

**18.02.:**

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

**19.02.:**

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"

**20.02.:**

Mission Planning and Scheduling  
Writing procedures  
ESOC tour

**21.02.:**

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**