

# Course Agenda

## JEOD Training Course

### March 2019

#### **Monday, March 4**

08:30 – Welcome, course preview, logistics  
08:40 – Introduction to JEOD, Standard S\_modules simulation  
09:10 – API document  
10:25 – Break  
10:30 – Exercise: Simple spherical earth orbiter (Exercise 8)  
11:15 – Survey of key JEOD models: DynManager, Ephemeris, Gravity, DynBody  
12:00 – Lunch  
13:00 – Exercise: set a specific start date and time (Exercise 6)  
13:30 – Exercise: Non-spherical-Earth orbiter (Exercise 12)  
14:15 – Tree concepts in JEOD  
14:55 – Break  
15:00 – 16:30 – Exercises: Add mass points and secondary ref frames (Exercise 18) and Mass point and body ref frames (Exercise 20)

#### **Tuesday, March 5**

08:30 – Summary of previous day and preview of today  
08:40 – Exercises: Initializing from OEs (Exercise 23) and from LVLH (Exercise 24)  
10:55 – Break  
11:00 – Multiple integration loops  
12:00 – Lunch  
13:00 – Exercise: Multiple integration loops (Exercise 41)  
14:00 – 16:30 – Cis-lunar simulation (LLO and LEO vehicles simultaneously)

#### **Wednesday, March 6**

08:30 – 12:00 – Completion of previous days' overruns and “ask me anything” open forum