

## 10 Week 13

### 10.1 Key concepts

N/A

### 10.2 Important concepts

N/A

### 10.3 Relevant concepts

- Why human spaceflight
- Human rating of the Space Shuttle
- Physiological effects in different mission phases

### 10.4 Advanced concepts

- The first steps
- The Space Shuttle
- Claude Nicollier spaceflight experience
- ISS and the Tiangong Space Stations, and visiting vehicles
- The human body and mind in the space environment
- Manual vs. automatic control of a spacecraft
- Extravehicular activity or EVA
- Space robotics
- The “New” Human Spaceflight