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Spacecraft Operations

- Deals with all aspects of spaceflight operations as a complete course
- Authors are well-known experts in their areas of expertise
- Author work with unique situation that human spaceflight and satellite missions are being operated next door

The book describes the basic concepts of spaceflight operations, for both, human and unmanned missions. The basic subsystems of a space vehicle are explained in dedicated chapters, the relationship of spacecraft design and the very unique space environment are laid out. Flight dynamics are taught as well as ground segment requirements. Mission operations are divided into preparation including management aspects, execution and planning. Deep space missions and space robotic operations are included as special cases. The book is based on a course held at the German Space Operation Center (GSOC).

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