

## Remote Sensing of Ocean and Cryosphere

Lecture content:

- Concepts for satellite remote sensing of the ocean and cryosphere
- Microwave radar and radiometer observations of sea and land ice and of sea surface temperature and salinity
- Altimetry for sea surface height, circulation, sea level and ice thickness change
- Optical satellite data for ocean color and sea ice
- Error analysis and statistics
- Practical examples and applications to use satellite data sets from oceanography and cryosphere
- Satellite data processing

Further course details –see homepage of the MSc Space Sciences and Technologies (<https://www.uni-bremen.de/en/fb1/studies/degree-programms/space-sciences-and-technologies-space-st-msc>)