COURSE DETAIL

RADIATION AND REMOTE SENSING
Country Germany
Host Institution Free University of Berlin
Program(s) Free University Berlin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Earth & Space Sciences
UCEAP Course Number 102
UCEAP Course Suffix
UCEAP Official Title RADIATION AND REMOTE SENSING
UCEAP Transcript Title RADIATION & SENSING
UCEAP Quarter Units 5.50
UCEAP Semester Units 3.70

Course Description
This class covers the following topics: fundamentals of atmospheric radiation and remote sensing; black body radiation; Planck's law of radiation; solar and terrestrial radiation; absorption of atmospheric gases; Rayleigh and Mie-scattering; radiation balance of the earth-atmosphere system; remote sensing of significant atmospheric components (molecules, aerosoles, clouds, precipitation).

Language(s) of Instruction
German

Host Institution Course Number
24803

Host Institution Course Title
STRAHLUNG UND FERNERKUNDUNG

Host Institution Course Details

Host Institution Campus
GEOWISSENSCHAFTEN

Host Institution Faculty

Host Institution Degree

Host Institution Department
Meteorologie

Course Last Reviewed

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