# **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 Campus**

**GEOWISSENSCHAFTEN** 

# **Host Institution Faculty**

**Host Institution Degree** 

# **Host Institution Department**

Meteorologie

Print