Faculty of Environment and Natural Resources Freiburg, Germany

Heinrich Spiecker
Freiburg
Population ca. 220000

Located at the foothills of the Black Forest

Few minutes away from the French and Swiss borders

Known as the “Green Capital of Germany”

The warmest city in Germany
“The city of Freiburg is a university city, so there will be always lots of students everywhere. This means that you will probably have lots of good time and make a lot of friends. It is also a very beautiful town, with a very old history and architecture, situated just at the foothills of the Black Forest”
(Vlad Strimbu, former Master student from UBC).
The University

- founded in 1457
- 11 faculties
- 6 interdisciplinary research centres
- 24,800 students (3,780 international students)
- ‘studium generale’
- diverse university sport facilities
- university cultural life (orchestra, choirs, movie club etc.)
The centre of the faculty
The goal of the M.Sc. “Forest Sciences” is to train students to become experts in ecologically, economically and socially sustainable forest management in science and practice at a national and international environment.

In addition to imparting specialized knowledge, other competences are emphasized, such as:

- **Key competences** including strong analytical and monitoring skills;
- A **sound understanding of ecological systems** at multiple scales and their response to environmental changes and management;
- In-depth **knowledge of sustainable management systems** and the competence to develop and implement them.
Partner institutions at Freiburg:

- Forest Research Institute Baden-Württemberg (FVA)
- Nancy-Zürich-Freiburg network (NFZ)
The faculty in FIGURES

- 3 institutes
  - Forest Sciences
  - Earth and Environmental Sciences
  - Environmental Social Sc. and Geography
- 135 permanent staff
- 35 full professors
- 1272 students (effective 2010)
- 250 PhD students
chairs

**Forest Science:**
17 Chairs:
- Tree Physiology
- Bio-based Materials Engineering
- Biometry and Environmental System Analysis
- Soil Ecology
- Remote Sensing and Landscape Information Systems
- Forest Biomaterials
- Forest Botany
- Forestry Economics and Forest Planning
- Forest- and Environmental Policy
- Forest Operations
- Forest Zoology and Entomology
- Meteorology and Climatology
- Site Classification and Vegetation Science
- Silviculture
- Forest History
- Forest Growth and Dendroecology
- Wildlife Ecology and Management
Important Research Areas of the Forest Science Institute

- Sustainable use of natural resources and renewable energy
- Safeguarding of natural resources: soil, water, air, biodiversity
- Adaptation to Global Change
- Natural Hazards
Earth- and Environmental Sciences

Chair of:
- General Geology
- Tree Physiology
- Bio-based Materials
- Biometry and Environmental System Analysis
- Soil Ecology
- Remote System and Landscape Information Systems
- Forest Biomaterials
- Forest Operations
- Geochemistry
- Hydrology
- Crystallography
- Landscape Management
- Meteorology and Climatology
- Mineralogy and Petrology
- Nature Conservation and Landscape Ecology
- Near Surface Geophysics (N.N.)
- Physical Geography
- Sedimentology

- Forest Growth and Dendroecology
- General Geology
- Bio-based Materials
- Biometry and Environmental System Analysis
- Renewable Materials
- Geochemistry
- Hydrology
- Crystallography
- Landscape Management
- Meteorology and Climatology
- Mineralogy and Petrology
- Nature Conservation and Landscape Ecology
- Near Surface Geophysics (N.N.)
- Sedimentology (N.N.)
chairs

Environmental Social Sciences and Geography

Chair of:
- Biogeography
- Environmental Governance
- Forestry Economics and Planning
- Forest- and Environmental Policy
- Human Geography
- Cultural Geography
- Landscape Management
- Ecological Energy and Material Flow Management (N.N.)
- Physical Geography
- Environmental Economics and Resource Management (N.N.)
- Forest and Forestry History
The faculty’s STUDY PROGRAMS

- Geography of Global Change
- Hydrology
- Environmental Sciences / Umweltwissenschaften
- Environmental Governance
- Renewable Energy Management

Master-Programs (German)
- Forest Sciences / Forstwissenschaften

Master-Programs (German / English)
- Renewable Energy Management

Bachelor-Programs (German)
- Geography
- Environmental Sciences
- Forestry and Environment

BSc Secondary subjects
- International Forestry
- Wood and Bioenergy
- Landscape Development and Nature Protection
- Meteorology and Climatology
- Environmental Hydrology
Joint MSc and BSc Programs

- MSc European Forestry (funded by Erasmus+ Program of the EU)

- MSc Transfor-M (Canada)

Coordinator for Freiburg: Heinrich Spiecker and Marianne Stadler
MSc Programs

- duration: 2 years
- 120 ECTS
  - coursework (3 sem.) 80 ECTS
  - internship (7 weeks) 10 ECTS
  - thesis (6 months) 30 ECTS
- Starting date: October
- Group size: 25-30 students
- Language: English and German taught programs
### Forstwissenschaften / Forest Sciences – Studienverlauf ab WS 17/18

#### 1. WiSe

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<th>Core Modules / Kernelemente</th>
<th>Forschungs- Kompetenzen (Knae)</th>
<th>Analyse der Waldpolitik (Kleinschnit)</th>
<th>Waldinventur, Waldwohnung, Informationssysteme (Koch)</th>
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<th>Forstökonomie (Youssefpoor)</th>
<th>Verfahrenstechnik und Logistik (Osterkuch)</th>
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<td>Forest Resources &amp; their Goods and Services (Kahle)</td>
<td>Plantation Forestry (Bauhus)</td>
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<td>Biodiversity (Bopris)</td>
<td>Research in Wildlife Ecology (Segelbacher)</td>
<td>Conservation Biology (Storch)</td>
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#### 2. SoSe

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<th>Forstplanung (Projekt Forsteinrichtung) (Hanewirr)</th>
<th>Bodenkunde und Standortanalyse (Lang)</th>
<th>Waldbau und Waldschutz (Bauhus)</th>
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<td>Elective tracks / Profilien</td>
<td>Close-to-Nature Forest Management (Bauhus/Kahle)</td>
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<td>Protected Area Management (Heurich)</td>
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<th>Waldmanagement und Jagdwirtschaft (Storch)</th>
<th>Waldkauze Systeme und Wachstumsteuerung (Bauhus/Kahle)</th>
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<td>Conservation of Forest Biodiversity (Storch)</td>
<td>Insect Communities and Dynamics (Bopris)</td>
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#### 3. WiSe

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<td>International Forestry</td>
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<td>Wildlife and Biodiversity</td>
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#### 4. SoSe

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Students life in Freiburg

Fernando Campos
University of Freiburg
MSc of European Forestry
The studies...

FOREST SCIENCES

Courses:
- Selection among study tracks compulsory and selective courses
- Modules of 3 weeks (5 ECTs)
- Selected topic
- Exam registration

Thesis:
- Registration and deadline

Job opportunities:
- HiWi
- Student assistant
Student houses and private rooms (monthly rent: 250-350 €)

Website search
- http://www.wg-gesucht.de/
- www.WG-Zimmer.de
- www.ZimmerFREI-BURG.de
- www.studenten-wg.de
The life…

… main attractions

Münster

Münster Platz

Martinstor

Dreisam River

See Park
The life...

... the Black Forest

Fernando Campos - Student's life in Freiburg - 21st May 2011
The life…

… living greener

Fernando Campos - Student's life in Freiburg - 21st May 2011
THANK YOU FOR YOUR ATTENTION