Master Course „Tropical Forestry“

http://www.forst.tu-dresden.de/Inter

Tharandt, Germany
In Tharandt there is one of the oldest schools of forestry in the world.

In 1811 Heinrich Cotta initiated forest education at Tharandt.

This private establishment was taken over by the state as Royal Forest Academy of Saxony in 1816.

The affiliation to the Dresden College of Technology was performed in 1929.

Foundation of the "Department of Tropic & Subtropic Forestry and Forest Products" headed by Prof. Löschau in 1963
History

First matriculation of Vietnamese students in 1961

Prof. Löschau examining a Vietnamese student in forest inventory
History

Students of the first batch of 1995 established M.Sc. Program Tropical Forestry and Management
Presence - Campus Tharandt

Main building

Cotta-Bau

Library

Library and Cafeteria

TU Dresden Presentation Masters Course "Tropical Forestry"
Presence - current students

Batch 2011 - 2013

Batch 2012 - 2014
Countries of origin of the MSc-students
Professorship of Tropical Forestry

Chairholder
Prof. Dr. rer. silv.
Jürgen Pretzsch

The Professorship is in charge of all forestry topics related to tropical and subtropical regions

Lecturer

Dr. rer. silv.
Hubertus Pohris

Dr. rer. nat.
Eckhard Auch
Professorship of Tropical Forestry
Socio-economic diagnosis

- international forest policy/politics: international agreements, development trends and case studies
- land use dynamics and forestry development
- forest based production systems
- assessment of the framework of forest based management systems
- silvicultural treatment of forest- and wood dominated ecosystems
- investigations into stand structure and changes of tropical forest ecosystems
- cultural aspects of forest production, including local knowledge systems, religion and gender
Professorship of Tropical Forestry

Research fields and methodological orientation

**Projection and modelling**

- studies of the guiding principles of forestry in the context of a dynamic environment
- forest sector analysis in tropical countries, contribution of forestry to rural development, non-conventional forestry, land use planning
- stability models for forest management
- methodological aspects of regional/project planning, social transition, intervention theories, extension

TU Dresden Presentation Masters Course "Tropical Forestry"
Professorship of Tropical Forestry

Research fields and methodological orientation

Orientation towards action

- forest and agroforestry innovation such as planned social and technological change
- extension methods
- certification, quality control and monitoring/impact analysis as a learning process
- integrative landscape planning
- participatory planning and decision structures
- strategic planning, monitoring and impact analysis in forest projects
- implementing urban forestry
Relations to partners institutions in developing countries are cultivated (Ethiopia, Bangladesh, Brazil, Chile, Honduras, India, Cambodia, Laos, Myanmar, Paraguay, Sudan, Thailand, Venezuela, Vietnam, ...)

Sudan

Brazil
International cooperation

Ethiopien woodlot

Laos: local wooden houses
International cooperation

Chinese and German colleagues on the Great Chinese Wall

Myanmar: local wood transport

Viet Nam
University partnerships in Asia, Africa and Latin America

- Universidad San Francisco de Quito, Equador
- Universidad Nacional Agraria La Molina, Peru
- Universidad Mayor de San Andrés, Bolivia
- Universidad Nacional de Asunción, Paraguay
- Universidad Nacional Agraria de Asunción, Paraguay
- Moi University, Kenya
- University of Kordofan, Sudan
- University of Khartoum, Sudan
- Dongdok National University, Laos
- Wondo Genet College, Hawassa University, Ethiopia
- Ethiopian Institute of Agricultural Research, Ethiopia
- Sokoine University of Agriculture, Tanzania
- Makerere University, Uganda
- Forestry University Xuan Mai, Vietnam
- Royal University of Law and Economics, Cambodia
International cooperation

Cooperation agreement with the Forest University near Hanoi/Vietnam
International cooperation
Alumni Network

Alumni are welcome for guest lecturing
Alumni Network

Working with senior alumni in Vietnam
**Overview of modules**

### Curriculum

**Master's Course "Tropical Forestry"**

**Profile: Tropical Forestry and Management**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Module</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>FOMT 1.1 Tropical Climate and Ecology</td>
<td>7</td>
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<tr>
<td></td>
<td>FOMT 1.2 Forest related Development Policy and Culture</td>
<td>9</td>
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<td></td>
<td>FOMT 1.3 Urban Forestry in the Tropics</td>
<td>8</td>
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<td></td>
<td>FOMT 1.4 A Forest Utilization and Product Chains</td>
<td>7</td>
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<td></td>
<td>FOMT 1.4 B Forest Resources Assessment</td>
<td>7</td>
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<td>2.</td>
<td>FOMT 1.5 Economics and Management of Forest Resources</td>
<td>7</td>
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<td></td>
<td>FOMT 1.6 Organization and Management Systems</td>
<td>8</td>
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<tr>
<td></td>
<td>FOMT 1.7 Management of vegetation and soil in watersheds</td>
<td>7</td>
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<tr>
<td></td>
<td>FOMT 1.8 A Natural Forest Silviculture and Biodiversity Conservation in the Tropics</td>
<td>7</td>
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<tr>
<td></td>
<td>FOMT 1.8 B Forest Plantation Silviculture and Agroforestry in the Tropics</td>
<td>7</td>
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<tr>
<td>3.</td>
<td>FOMT 2.1 Design and Planning of Research</td>
<td>10</td>
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<td></td>
<td>FOMT 2.2 Planning at Project and Landscape Scales</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>FOMT 2.3 A Modelling</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>FOMT 2.3 B Communication and Conflict Management</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>FOMT 2.4 A Natural Forest Management and Restoration in the Tropics</td>
<td>7</td>
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<tr>
<td></td>
<td>FOMT 2.4 B Forest Plantation Management and Landscape Rehabilitation in the Tropics</td>
<td>7</td>
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<tr>
<td>4.</td>
<td>Master thesis and Colloquium</td>
<td>30</td>
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</table>

**Profile: Sustainable Tropical Forestry (SUTROFOR)**

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<tr>
<th>Semester</th>
<th>Module</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>FOMT 1.2 Forest related Development Policy and Culture</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>FOMS 1.1 Preparing Field Work in the Tropics e-learning</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>FOMS 1.2 Summer School</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>FOMT 1.4 A Forest Utilization and Product Chains</td>
<td>7</td>
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<tr>
<td></td>
<td>FOMT 1.4 B Forest Resources Assessment</td>
<td>7</td>
</tr>
<tr>
<td>2.</td>
<td>FOMS 1.3 Climate Change and Tropical Forestry e-learning</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>FOMT 1.6 Organization and Management Systems</td>
<td>7</td>
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<td></td>
<td>FOMT 1.7 Management of vegetation and soil in watersheds</td>
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<td>FOMT 1.8 A Natural Forest Silviculture and Biodiversity Conservation in the Tropics</td>
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<td>FOMT 1.8 B Forest Plantation Silviculture and Agroforestry in the Tropics</td>
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<tr>
<td>3.</td>
<td>FOMS 2.1 Research Planning e-learning</td>
<td>10</td>
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<td></td>
<td>FOMT 2.1 A Urban Forestry in the Tropics</td>
<td>8</td>
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<td>FOMT 2.3 A Modelling</td>
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<td>30</td>
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</table>

- Compulsory
- Compulsory "Tropical Forestry and Management" only
- Optional compulsory
- Compulsory SUTROFOR only
- Optional compulsory SUTROFOR only
In the master course "Tropical Forestry" the profile areas *Tropical Forestry and Management* and *Sustainable Tropical Forestry* are offered. For the students when commencing their studies it is obligatory to choose one of the two profiles. When choosing the profile area *Sustainable Tropical Forestry* study achievements have to be rendered abroad for one year, as a rule at one of the partner universities of the TU Dresden. In this way the international study program SUTROFOR is integrated via the second profile area.
Field trip
Field trip
Field trip
Field trip
Special emphasis is put on gender issues
After successful study........

....you will be awarded a MASTER CERTIFICATE
Expenses for living in Dresden

<table>
<thead>
<tr>
<th>Expenses for</th>
<th>Cost per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition fees*</td>
<td>—</td>
</tr>
<tr>
<td>Accommodation or Rent</td>
<td>ca. 200</td>
</tr>
<tr>
<td>Cost of living</td>
<td>ca. 200</td>
</tr>
<tr>
<td>Cost for transportation**</td>
<td>ca. 35</td>
</tr>
<tr>
<td>Health insurance</td>
<td>ca. 60</td>
</tr>
<tr>
<td>Additional expenses (for excursions, books etc.)</td>
<td>ca. 40</td>
</tr>
<tr>
<td>Misc</td>
<td>ca. 50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>ca. 585</td>
</tr>
</tbody>
</table>

* There are no fees because education is still free in Germany.

** Your ID card is a free ride ticket for the public transport of the region (Semester ticket: 242 EURO per Semester)
First impressions - sightseeing
First impressions – group dynamic
All professors in Tharandt
Informations about the MSc Course you can find on our homepage www.forst.tu-dresden.de/Inter (especially category education)