

**Course organisation M.Sc. Forest and Ecosystem Sciences (FES), University of Goettingen**

Core study element 1 "Ecosystem Analysis and Modelling"

|                        |   |  |   |   |  |
|------------------------|---|--|---|---|--|
| 1. Sem<br>WS<br>30 C   | M.FES.111<br>Introduction to<br>Ecological Modelling<br>4 WLH / 6 C                           | M.FES.112<br>Biodiversity<br>Measurement<br>4 WLH / 6 C        | M.FES.113<br>Soil Hydrology<br>4 WLH / 6 C                  | M.FES.114<br>Ecosystem –<br>Atmosphere Processes<br>4 WLH / 6 C                                   | M.FES.115<br>Statistical Data<br>Analysis<br>4 WLH / 6 C |
| 2. Sem<br>SuSe<br>30 C | M.FES.121<br>Advanced Data<br>Analysis with R<br>4 WLH / 6 C                                  | M.FES.122<br>Ecological Simulation<br>Modelling<br>4 WLH / 6 C | M.FES.123<br>Functional Structural<br>Models<br>4 WLH / 6 C | M.FES.124<br>Modern Concepts and<br>Methods in<br>Macroecology and<br>Biogeography<br>4 WLH / 6 C | Elective<br><br>6 C                                      |
| 3. Sem<br>WS<br>30 C   | M.FES.131<br>Project: Forest Ecosystem Analysis and<br>Information Processing<br>2 WLH / 12 C |  | Elective<br><br>6 C   | Elective<br><br>6 C   | Elective<br><br>6 C                                      |
| 4. Sem<br>SuSe<br>30 C | Master's thesis<br><br>30 C   |  |   |   |  |

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Core study element 2: "Ecosystem Sciences"

|                        |  |   |  |   |  |
|------------------------|--|---|--|---|--|
| 1. Sem<br>WS<br>30 C   | M.FES.211<br>Ecosystem Analytics<br>4 WLH / 6 C          | M.FES.112<br>Biodiversity<br>Measurement<br>4 WLH / 6 C | M.FES.113<br>Soil Hydrology<br>4 WLH / 6 C                             | M.FES.114<br>Ecosystem –<br>Atmosphere Processes<br>4 WLH / 6 C | M.FES.115<br>Statistical Data<br>Analysis<br>4 WLH / 6 C |
| 2. Sem<br>SuSe<br>30 C | M.FES.221<br>Modern Methods in<br>Ecology<br>4 WLH / 6 C | M.FES.222<br>Community Ecology<br>4 WLH / 6 C           | M.FES.223<br>Soil Physical and<br>Biochemical Processes<br>4 WLH / 6 C | M.FES.224<br>Experimental<br>Bioclimatology<br>4 WLH / 6 C      | Elective<br><br>6 C                                      |
| 3. Sem<br>WS<br>30 C   | M.FES.231<br>Project: Ecosystem Sciences<br>2 WLH / 12 C |   | Elective<br><br>6 C  | Elective<br><br>6 C   | Elective<br><br>6 C                                      |
| 4. Sem<br>SuSe<br>30 C | Master's thesis<br><br>30 C                              |   |  |   |  |

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Core study element 3: "Tropical and International Forestry"

|                        |   |  |   |   |                     |
|------------------------|---|--|---|---|---------------------|
| 1. Sem<br>WS<br>30 C   | M.FES.311<br>Tropical forest ecology<br>and silviculture<br>4 WLH / 6 C                   | M.FES.312<br>International forest<br>policy and economics<br>4 WLH / 6 C | M.FES.313<br>Monitoring of forest<br>resources<br>4 WLH / 6 C | M.FES.314<br>Forest utilization and<br>wood processing<br>4 WLH / 6 C             | Elective<br><br>6 C |
| 2. Sem<br>SuSe<br>30 C | M.FES.321<br>Ecopedology of the<br>tropics and subtropics<br>2 WLH + field exc. / 6 C     | M.FES.322<br>Project planning and<br>evaluation<br>4 WLH / 6 C           | M.FES.323<br>Biometrical research<br>methods<br>4 WLH / 6 C   | M.FES.324<br>Environmental<br>Biotechnology and<br>forest genetics<br>4 WLH / 6 C | Elective<br><br>6 C |
| 3. Sem<br>WS<br>30 C   | M.FES.331<br>Project: Development of a forest region<br><br>7 WLH / 12 C<br>P (20 Seiten) |  | Elective<br><br>6 C   | Elective<br><br>6 C   | Elective<br><br>6 C |
| 4. Sem<br>SuSe<br>30 C | Master's thesis<br><br>30 C   |  |   |   |                     |