Module No.	Module name	
P 10	Forest Resources and Wood Production	
Module coordinator		
Prof. Dr. Heinrich Spiecker, Email: instww@uni-freiburg.de		
Additional teaching staff		
Prof. Dr. G. Becker, Prof. Dr. E. Hildebrand, Prof. Dr. H. Mayer, Prof. Dr. A. Reif		
Syllabus		
Syllabus 1. Forest Resources World Wide (3 days) (Spiecker): - Definitions - State of the forest resources - Changes of the forest resources - Causes of changes in forest resources - Production potentials of forests - Use of forest resources (Becker) 2. Wood Production (3 days) (Spiecker): - Forest growth - Growing stock - Past and actual trends 3. Management Scenarios (5 days) (Spiecker): - Management concepts - Management changes in the past - Future scenarios: natural forests, semi-natural forests, devastated secondary forests, man-made forests - Quality criteria of timber (Becker) - Impacts of management scenarios on timber volume and quality 4. Forest Utilization (4 days) (Becker): - Interactions and impacts of management scenarios on harvesting systems - Accessibility of timber resources - Transport and logistics - Future trends.		
Learning goals and qualifications		
Students will gain knowledg on the extent and s on the climatologic on relevant growth- on the wood produ on the effect of ma on the interactions Students will acquire comp to analyse the stru to estimate wood p	ge structure of forest resources at regional, national and the global scales al, pedological, and phyto-sociological conditions of the forest resources determining environmental factors ction potential of forests in the present, past and future nagement options on forest resources and wood production potentials between management options and harvesting systems etence: cture of forest resources production potential	

- to analyse changes in wood production potential
- to define and formulate integrated management scenarios
 to evaluate management scenarios and their impacts on forest resources.

Teaching and learning methods		
Lectures, tutorials, panel discussions, group works		
Prerequisites		
none		
Requirements for registration		
Distribution of work load		
Contact hours	60 h (Lectures, pracs, exam)	
Student learning	65 h (Preparation, reading etc.)	
Proposed assessment		
Written exam		
Link to learning resources		
SoftTutor: http://www.ffu.uni-freiburg.de/Waldwachstum/lehre.htm		
Preliminary Reading		
Comments		