

<b>Georg-August-Universität Göttingen</b>		6 C 4 WLH
<b>Module B.MES.112: Environmentally friendly production of wood</b>		
<b>Learning outcome, core skills:</b> Environmentally friendly use of timber, of wood for energy and wood products. Basics and practice of wood protection and degradation by fungi. Knowledge of technological relevant wood properties of important commercial timbers. Modification technology for long-living major forest products (lumber, veneer, plywood, wood-based composites) and their significance for forest utilization.		<b>Workload:</b> Attendance time: 56 h Self-study time: 124 h
<b>Courses:</b>		
<b>1. Wood biology (Lecture, exercises, laboratory visits, excursion)</b> <i>Contents:</i> Classroom lectures with practical exercises, visits in labs and short presentations of the students, one excursion to a wood processing company.		2 WLH
<b>2. Wood-based-composites (Lecture, exercises, laboratory visits, excursion)</b> <i>Contents:</i> Classroom lectures with practical exercises, visits in labs and short presentations of the students, one excursion to a wood processing company.		2 WLH
<b>Examination: Oral examination (approx. 20 minutes)</b>		6 C
<b>Examination requirements:</b> Anatomy, wood physics, wood chemistry, wood properties, wood-based composites, wood-plastic composites, wood modification, wood protection.		
<b>Admission requirements:</b> none	<b>Recommended previous knowledge:</b> none	
<b>Language:</b> English	<b>Person responsible for module:</b> Prof. Dr. Holger Militz	
<b>Course frequency:</b> each winter semester	<b>Duration:</b> 1 semester[s]	
<b>Number of repeat examinations permitted:</b> cf. examination regulations	<b>Recommended semester:</b> 3	
<b>Maximum number of students:</b> 25		