

Georg-August-Universität Göttingen Modul M.Forst.1514: Forest utilization and wood processing <i>English title: Forest utilization and wood processing</i>		6 C 4 SWS
Lernziele/Kompetenzen: Knowledge of technological relevant wood properties of important commercial timbers. Technology of major forest products in tropics (lumber, veneer, plywood, wood-based panels, pulp and paper) and their significance for forest utilisation. Enables students to analyse situations where forest operations take place and to select and quantify the optimal course of action. It puts forest operations into the broader context of society and forest ecosystems and stresses the human factor involved. Emphasis is directed to systems analysis and long-term perspectives		Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Forest utilization and wood processing (Vorlesung) <i>Inhalte:</i> The modul consists of two parts: Work Systems and Methods in Forest Utilization. It puts forest operations into the broader context of society and forest ecosystems and stresses the human factor involved. Emphasis is directed to systems analysis and long-term perspectives. Contents: Overview of the role of forestry, forest products, forest areas, removals and general tendencies as basic information. The importance of the human factor: indigenous knowledge, training, ergonomics, occupational safety and health, work studies. Basic elements of road planning, construction and maintenance. Fuelwood, simple methods for charcoal production. Harvesting technologies: overview, reduced impact logging, case studies. Technologies outside harvesting. Appropriate technologies. Cost control in forest operations. Recent developments (information technology, GIS, logistics).		4 SWS
Prüfung: Klausur (120 Minuten)		6 C
Prüfungsanforderungen: Kenntnis der beschriebenen Lehrinhalte, Erreichung der festgelegten Lernziele und Nachweis der angestrebten Kompetenzen.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Englisch	Modulverantwortliche[r]: Dr. forest. Gerhard Büttner	
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester	
Wiederholbarkeit: gemäß Prüfungs- und Studienordnung	Empfohlenes Fachsemester:	
Maximale Studierendenzahl: nicht begrenzt		