

Course code	Course title	Responsible lecturer
FoMU_524	Forest Management Planning	
<b>Contents and goals of qualification</b>	<p><b><u>Contents:</u></b></p> <p>Elements for planning, implementation, monitoring and controlling. Management strategies, using decision-theoretical models. Management of various forest formations, regions, sustainability units and forest enterprises. Principles and elements of forest management: Sustainable forest management theories, methods of forest inventory for forest management planning, Approaches of Forest land classification: Management of even and uneven forest stand; Approaches of forest yield regulation and prediction (Height growth, biomass, volume, age and diameter distribution): Forest project planning and evaluation for making decision in final forest harvesting and tree replanting; Documentation of land use history and zoning, mapping and interpretation, and the collection and analysis of socioeconomic, biological, and physical information for the construction of management plans; Studying various case studies and discuss on current topics in forest resource management.</p> <p><b><u>Practical session:</u></b> forest inventory and elaboration of detail forest management plans.</p> <p><b><u>Goals of qualification:</u></b> The students have acquired special knowledge of important forest management systems. They are able to apply methods of planning, implementing, monitoring and governing for the management of forests and are capable to apply multi-functional strategies.</p>	
<b>Modes of teaching and learning</b>	The course comprises: 2 hr/wk Lecture and 3 hrs/wk practical (Field visits, exercise, and independent studies)	
<b>Applicability</b>	Compulsory	
<b>Credits and assessment</b>	3 (2+3) Credit hour; Group project and presentation (50%), Written exam (50%)	
<b>Text books</b>	<p>Buongiorno, J.; Gilles, J. K. 2003. Decision methods for forest resource management. Academic Press. Amsterdam.</p> <p>Leuschner, W. A. 1990. Forest regulation, harvest scheduling and planning techniques. Wiley &amp; Sons. New York.</p> <p>Recent peer reviewed journal papers published in the Ethiopian context shall be used for seminars</p>	