

Course Title: Forest Biometrics
Course Code: FRW-508
Course Credit hours: 3(2-1)
Course Incharge: Mr. Muhammad Safeer

THEORY

Definition and scope of the subject. Units of measurements. Measurement of diameter, height, age, form factor, volume and increment of felled and standing trees and forest crops. Volume tables, yield tables, and management tables. Measurement of firewood and other minor forest products.

PRACTICALS

Introduction to different instruments used for the determination of diameter, height, age, volume etc. Measurement of log volume. Measurement of individual tree and forest crop diameter, height, age, basal area and volume. Determining quality class of a forest. Measurement of bark thickness. Calculation of mean annual and current manual increments.

BOOKS RECOMMENDED

1. Brue, B. and Francies. 1982. Forest mensuration. McGraw Hill Book Co., New York, USA.
2. Negi, S.S. 1986. A Handbook of Forestry. International Book Distributors. Dehra Dun, India.
3. Purkash, R. 1985. Forest management. International Book Distributors, Dehra Dun. India.
4. Quraishi, M.A.A. 1998. Basics of forestry and allied sciences. Vol. I, II. A-One Publishers, Urdu Bazar, Lahore, Pakistan.
5. Sagrelya, K.P. 1982. Forests and forestry. National Book Trust, New Delhi, India.
6. Stoddart, C.H. 1978. Essentials of forestry practice. John Wiley and Sons New York, USA.