Department of Agroforestry & Environmental Science
Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh

Level - 2 Semester – II, 2008

Course Title: Agroforestry   Course Code: AFES 259

Credit Hour: 03

Course Content:

Introduction:

Concept, scope and benefits of agroforestry, present status of forests resources in Bangladesh; Historical development of agroforestry. Description of some common agroforestry terminologies and technologies.

Classification of Agroforestry System:

Farming systems concept and agroforestry .Composition and structures of different agroforestry systems and their potential benefits.

Tree-Crop Interactions:

Concepts and types- above and below ground interactions, resource sharing and minimizing competition.

Agroforestry System and Management:

Concept production and management of different traditional and modern agroforestry systems, Hill cultivation- SALT practice and its different models, soil and water conservation ,land reclamation and nutrient recycling in agroforestry

Agroforestry Species:

Woody and non- woody species suitable for agroforestry systems, their characteristic features, compatibility and adaptability in different agro ecological zones and degraded lands.

Homestead Agroforestry

Definition, historical perspective, general pattern, structures, diversity, indigenous management technique, multilayered systems.

Social Forestry

Definition, Scope, Concepts. Social forestry experiences in Bangladesh and other countries.

Level - 2 Semester – II, 2008

Course Title: Agroforestry (Practical)   Course Code: AFES 259

Credit Hour: 03

Course Content:

1. Identification of Multipurpose Trees (MPTs) and their Benefits in Agroforestry

   [Identification of Multipurpose Trees (MPTs) and their Benefits in Agroforestry]

2. Studies on Silvan Features of Different MPTs of Bangladesh

   [Studies on Silvan Features of Different MPTs]

3. Preparation of nursery for raising saplings of different trees

   [Planning and preparation of an agroforestry nursery]

4. Plantation and management of trees and shrubs under agroforestry systems

   [a) Study of tree plantation techniques and aftercare, b) Tree root and shoot management in the crop field]

5. Determination of growth and biomass yields of trees and other components

   [Determination of growth and biomass yields of trees]

6. D & D planning, data collection and economic analysis of agroforestry systems.

7. Field visit and assignment.

Mirza Hasanuzzaman, Assistant Profesor, Dept. of Agronomy, SAU