



Davao del Sur State College
Brgy. Matti, Digos City, Davao del Sur

INTRODUCTION TO AGROFORESTRY



www.dssc.edu.ph



@DSSCOfficial



president@dssc.edu.ph



INTRODUCTION TO AGROFORESTRY

(AFF 601)

MODULE

Bachelor of Science in Agroforestry

Disclaimer:

No part of this publication may be reproduced, stored in a retrieval system transmitted in any form or by any means, electronic, mechanical, photocopy, recording or otherwise, without prior written consent from the author, and the Institution, Davao Del Sur State College.

PREFACE

Agroforestry has become a process of production connected with land management where agricultural production complements natural system quality care. Now as food systems are increasingly under stress with climate change, climate change-induced land degradation and socio-economic turmoil, the need for resilient, multifunctional landscapes becomes clear. Agroforestry is introduced in this module not only as a form of farming but as a systems-based strategy including trees, crops and livestock to improve productivity, environmental sustainability and well-being of the community. Applying insights from both the science and practice, the lessons herein consider the components, attributes and design of agroforestry systems. Focus is put on ecological interactions, resource optimization and socio-economic relevance in varied farming frameworks.

This module aims to engage learners in critical analysis of agroforestry and sustainable development through analytical exercises, design tasks and reflective activities. This module aims to serve as a reference and practical guide to students, practitioners and advocates for promoting sustainable and resilient agricultural landscapes.

TABLE OF CONTENTS

PRELIMINARIES	PAGE
Title Page	i
Preface	ii
Table of Contents	iii
Module I : Introduction and Components of Agroforestry System	1
Lesson 1 : Introduction, History and Benefits of Agroforestry	2
Lesson 2 : Attributes of Trees, Crops, and Livestock	8
Lesson 3 : Types of Agroforestry Practices and Cropping Systems	21
Module Assessment	26
Module Summary	29
References	30
Module II : Principle of Agroforestry Design	31
Lesson 1 : The Principle of Farmer-Centeredness and Synergy	32
Lesson 2 : Aptness to Place, People and Purpose, and Feasibility	39
Module Assessment	46
Module Summary	49
References	50
Module III : Co-Design and Planting Materials in the Establishment of Agroforestry System	51
Lesson 1 : Co-design in the Establishment of Agroforestry System	52
Lesson 2 : Planting Material in Agroforestry	57
Lesson 3 : Management of Agroforestry System	64
Module Assessment	70
Module Summary	71
References	72
Appendices	
Rubrics for Essay	73
Rubrics for Video Presentation	74
Rubrics for Role Play	76
Rubrics for Pitching	77

