[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

This course provides the student with an understanding of the processes for managing commercial, recreational and traditional fisheries under the principles of Ecologically Sustainable Development (ESD). Students will be in a capacity to understand fisheries, its development and management also from a social science standpoint. The course exposes students to the socio anthropological and economic characteristics of fishing communities as well as theoretical issues in the sociology of fisheries management and development. On the successful completion of this unit, students will be able to describe the status of fisheries in their homeland (if any) and overseas, explain the need for fisheries management, identify fisheries management issues, outline the principles of fisheries management, describe the components of the fisheries management process and identify the criteria for effective fisheries management.

2. Course Goals and Objectives (Approximately 100 words)

On successful completion of the course students will have an understanding of the:
1. Knowledge of fisheries biology and life-history characteristics of a range of marine fishes, crustaceans, and molluscs
2. Knowledge of the techniques used by fisheries biologists and ecologists in the study of population biology and ecology
3. Capacity to analyse and interpret data used in fish population studies
4. Knowledge of fishing methods and synthesis of issues and arguments around the impact of fishing
5. Capacity to synthesise and evaluate the methods used to manage, regulate and enhance fisheries
6. Skills in oral and written communication

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

The Economics of Fisheries Management, 2004 by Lee G. Anderson (Author)

Fisheries Biology, Assessment and Management 2nd Edition by Michael King (Author)

4. Reference

Modelling and Quantitative Methods in Fisheries, Second Edition 2nd Edition by Malcolm Haddon (Author)

5. Course Requirements and Grades

EXAM > 70%
C.A.T. > 20%
QUIZ. > 10%

TOTAL > 100%

6. Course Calendar

Week	Main Content
1	Reproduction and early life history
2	Age and growth
3	Habitat use, migration, and movement
4	Feeding ecology and trophic relationships
5	Population dynamics
6	Factors affecting fish distribution and abundance
7	C.A.T.
8	Stock assessment and stock recruitmen
9	Catch Per Unit Effort (CPUE) and sustainability
10	Methods of harvesting
11	Managing fisheries and marine habitats
12	Use of fisheries models as management tools
13	Marine Protected Areas and Aquaculture
14	EXAMINATION