

Republic of the Philippines
(Republic of the Philippines)
MINISTERIO DE EDUCACION Y CULTURA
(DEPARTMENT OF EDUCATION AND CULTURE)
Manila

September 15, 1977

DEPARTMENT MEMORANDUM
No. 199, s. 1977

LIVE-IN SEMINAR/WORKSHOP FOR FISHERY SCHOOLS INSTRUCTORS

To: Bureau Directors
Regional Directors
Coordinator, State Colleges and Universities
Schools Superintendents
Fishery School Principals/Administrators

1. A two-week live-in seminar/workshop for fishery school teachers and instructors on fishing gear design/construction and engine operation and maintenance will be held on October 3-14, 1977, at the Fishermen's Training Center, Sangley Point, Cavite City.
2. The seminar, which implements in part the DMR-DFC memorandum of agreement, aims to upgrade knowledge and skills in fishing gear designing and ~~construction~~ and in the operation and maintenance of motorboat engines. The basic approach will be "Learning by Doing," supplemented by group discussions, lectures and demonstrations, thus providing maximum participation and self-activity among the participants. For more details on the training program, attention is invited to the **inclosure** to this Department Memorandum.
3. Each fishery school is authorized to send one participant to this seminar/workshop. Only those who have not received prior training in the Fishermen's Training Center should be allowed to participate. The travel expenses of participants shall be charged against their respective school funds subject to the usual accounting and auditing rules and regulations. Expenses for board and lodging shall be defrayed by the Bureau of Fisheries and Aquatic Resources. Due to the limited number of beddings at the FTC the participants are required to bring one bedsheet and one blanket.
4. The participants should report to Miss Elma Villanueva at the FTC, Sangley Point, Cavite, not later than October 2, 1977. The names of the participants to this live-in seminar/workshop should be submitted to the Director, Bureau of Fisheries and Aquatic Resources, c/o the Chief, Fisheries Training Division, Intramuros, Manila on or before September 24, 1977.
5. Immediate dissemination of the contents of this Department Memorandum is desired.

(SGD.) JUAN L. MANUEL
Secretary of Education and Culture

Incl.:

As stated

Reference:

N O N S

Allotment: 1-2 2 (D.O. 1 76)

To be indicated in the Periodical Index
under the following subjects:

BURLAUS & OFFICES
SEMINARS
VOCATIONAL RE-ENTRY
WORKSHOPS

C O U R S E D E S I G N

PROGRAM TIME : Fishing Gear Design, Construction & Engine Operation & Maintenance Seminar/Workshop

PROGRAM GOALS : 1) To update knowledge and skills in fishing gear design and construction
2) To update knowledge and skills in the operation and maintenance of motorboat engine

M O D U L E F I T S

M O D U L E G O A L S

By the end of this module, the participants should be able to acquaint themselves with one another.

By the end of this module, the participants should be able to list down their expectations from the Seminar/Workshop, participants and resource speakers.

By the end of this module, the participants should be able to have an understanding of the course design and house rules.

By the end of this module, the participants should be able to acquire knowledge and understanding of the commonly used fishing gear in the Philippines.

By the end of this module, the participants should be able to know the latest renovations in fishing gear.

By the end of this module, the participants should be able to know the different procedures in net weaving, mending/repair and apply them.

By the end of this module, the participants should be able to identify the different parts of a motorboat engine.

By the end of this module, the participants should be able to determine the causes of engine malfunctions and repair the same.

By the end of this module, the participants should be able to have a basic knowledge and understanding of the existing fishery laws, rules and regulations as embodied in PD 704.

Expectations

Course Design/House Rules

Fishing gear commonly used in Philippines

operation

mending and repair

combustion Engine

coating

of fish conservation, fishery laws, rules and regulations

workshop function

P H A S E	DAY/TIME	C O N T E N T	METHODOLOGY	O B J E C T I V E S
	Monday October 14, 1977 8:00 - 9:00	English Section		Register sheet handed to the English staff
	9:00 - 10:00	Refreshing		By the end of this section, the participants should be able to recognize themselves with the assigned
	10:00 - 10:30	P R E S E N T A T I O N	Asking	By the end of this section, the participants should be able to identify and discuss their expectations from <ul style="list-style-type: none"> a) Workers b) Managers/Supervisors c) Co-participants
	10:30 - 12:00	Introduction of the Workshop Design/Source and/or	Dialogue	By the end of this section, the participants should be able to have a good understanding of the content of the workshop & methodology of the workshop Design/Source and/or
	12:00 - 1:00	B R E A K		
	1:00 - 2:00	Introduction of the Workshop Design/Source and/or	Dialogue	By the end of this section, the participants should be able to have better knowledge and understanding of
	2:00 - 3:00	The Literature relating to the workshop design and/or	Lecture/	By the end of this section, the participants should be able to have better knowledge and understanding of

TIME	CONTENT	METHODOLOGY	O B J E C T I V E S	RESOURCE PERSON
3:00 - 3:30 Tuesday October 4, 1977 8:00 - 10:00	a) Gill net b) Seine c) Long line d) Gammel e) Trawl f) Troll Break		The most commonly used fishing gear in Philippine waters	Mike Sangalang
10:00 - 10:30	Latest innovations c) Use of synthetic materials b) Use of fish finger e) Use of bleeding device Break	Lecture/ Demonstration	By the end of this session, the participants should be able to know the latest and the most practical innovations in the use of gear	Mike Sangalang
10:30 - 12:00	Net mending, mending/ slipping by means of weaving or by cutting Break	Lecture/ Demonstration/ Practical	By the end of this session, the participants should be able to upgrade their knowledge by knowing the correct procedures involved in net mending and mending/slipping and apply the same	Mike Sangalang

P I A S E	DAY/TIME	C O N T E N T	METHODOLOGY	O B J E C T I V E S
	1:00 - 3:00	Knots Used (Continuation)	MECHANISMS	
	3:00 - 3:30	R E G I R		
	3:30 - 5:00	Gear Construction (Gears and other sliding gear applied to the locality)	Lecture/ Demonstration/ Practicals	By the end of this session, the participants should be able to design a gear and apply the steps/procedure involved in its construction
	October 7, Wednesday 8:30 - 5:00	Discussion on the plan design and materials to be used for the construction of 2500-lag gear	-do-	-do-
	October 6-7 Thursday and Friday	Construction of the model sliding gear	Lecture/ Demonstration/ Practicals	By the end of this session the participants should be able to construct the sliding gear as per given drawing
	October 8, 9 and 10 Sat., Sun., and Monday	Gear Dressing	Practicals	By the end of this session, the participants should be able to observe and participate in actual gear finishing
	October 11 Tuesday 8:00 - 10:00	Gear & Diesel engine and their functions	Diagrams/	To identify the different parts of the engine and their functions

DAY/TIME	CONTENT	METHODOLOGY	OBJECTIVES	INSTRUCTOR
10:00 - 10:30	Break			
10:30 - 11:00	Gas & diesel engines and their functions	Demonstration/ Practicum	To identify the different parts of an engine and their functions	Eddie Padua Jose Galang
12:00 - 1:00	Break			
1:00 - 5:00	Assembling and disassembling of the engine	-60-	Identify the different parts involved in assembling and disassembling and engine	
October 12 Wednesday 2:00 - 10:00	Operation and maintenance of an engine	Dialogic/ Lecture/ Demonstration	To acquire a better understanding and further develop their skills in the proper care and maintenance of the engine for its smooth operation by observing the following guidelines:	
10:00 - 10:30	Break			
10:30 - 12:00	Continuation		a) precautionary measures b) daily inspection c) replacement of worn out spare parts	
12:00 - 1:00	Continuation		d) Testing e) Starting	
1:00 - 3:30	Break			
3:30 - 5:00	Continuation		f) Common faulty condition	

P H A S E	DATE/TIME	C O N T E N T	METHODOLOGY	O B J E C T I V E S
	<p>October 13 Thursday</p> <p>8:00 - 5:00</p>	<p>Trouble Shooting</p> <ul style="list-style-type: none"> a) compression failure b) unexpected engine stop c) propeller and shafting trouble (swelling) 	<p>Diagnosis/ Demonstration/ Practical</p>	<p>To determine the present causes of engine malfunctions and verify the same</p>
	<p>October 14 Friday</p> <p>8:00 - 12:00</p> <p>1:00 - 5:00</p> <p>October 15 Saturday</p> <p>A.K.</p>	<p>Importance of I.D. concentration, Flabby lower portion and repairs I.D. A.K.</p> <p>Seminar/Workshop Practical</p> <p>Specialization</p>	<p>Didactic</p>	<p>To acquire a better knowledge and understanding of the existing factory lower, ruddes and repairs as embodied in SS 704</p> <p>To assess the effectiveness of the seminar/workshop</p>

