

FISHERIES and MARINE

SKILLS

NORTHWEST COMMUNITY COLLEGE
PRINCE RUPERT, B.C.

NOVEMBER, 1977
TO
FEBRUARY, 1978



ACKNOWLEDGEMENTS

COVER PHOTO BY
PAUL MARHENKE III

INSIDE DRAWINGS
COURTESY OF
PAULINE BEST

PRINTED BY
RUPERT PRINTERS

FISHERIES AND MARINE SKILLS

November 14, 1977 to
February 17, 1978

Course Objectives:

The intent of this program is to provide a core training base leading to a Watchkeeping Mate Certificate with a command endorsement and a Fishing Watchkeeping Mate Certificate.

Besides satisfying MoT requirements, this program offers modules relevant to the local marine and fishing industry.

Course Outline:

1. Chartwork and Pilotage
2. General Ship Knowledge
3. Navigation Safety
4. General Seamanship
5. Navigating Instruments
6. First Aid (fishermen's endorsement)
7. Restricted radio-telephone operator's license
8. Net mending and construction
9. Marine Diesel Engine 'trouble shooting'
10. Fish Care (1 day)
11. Bookkeeping, UIC, income tax and other goodies for fishermen
12. Boatwork
13. Stability
14. Meteorology
15. Ship Management

Northwest Community College is offering a two year program leading to a Ministry of Transport approved WATCHKEEPING MATE certificate with a command endorsement (equivalent to the old Canadian Home Trade 350 ton master ticket), and a FISHING WATCHKEEPING MATE certificate.

Students enrolling in the program can complete up to four modules a year of the eight module Watchkeeping course and two modules a year of the three module Fishing Watchkeeping course. If they fail one module, students will be able to repeat that session the following year or, subject to enrolment, the following semester.

Although the course is designed to meet the seasonal needs of the marine industry and students may take courses when it fits their schedule, Ministry of Transport requires that ALL ticket exams must be successfully completed within 30 months.

Applicants who have 6 or more months sea service, but less than the 18 months required to sit the Watchkeeping Mate exam, may enrol in the same course with two options:

- OR
- 1) finish the program and write the MoT exams when their sea time has accumulated,
 - 2) complete the modules needed to write the FISHING WATCHKEEPING MATE exams.

The program begins here on November 14, 1977 and goes until February 17, 1978 with a two week Christmas break from December 23, to January 8. Besides offering components leading to the various MoT certificates, the College has designed a training program to meet most aspects of the marine and fishing industry.

Depending upon enrolment, courses will be offered in net mending and construction, first aid with a fishermen's endorsement, restricted radio operator's license, diesel engine trouble-shooting, fish care and handling on the boat, towing and bookkeeping. Courses include practical as well as theoretical instruction, and will be led by local resource people as well as others involved in the marine industry.

WATCHKEEPING MATE CERTIFICATE

Students are required to successfully write Ministry of Transport exams in:

- 021 - Navigating Instruments
- 041 - Chartwork and Pilotage
- 151 - General Ship Knowledge
- 061 - Navigating Safety
- 161 - General Seamanship

Applicants must also have 18 months qualifying sea service before writing 021, 041 and 151, and must have 24 months sea time before writing 061 and 161.

FISHING WATCHKEEPING MATE CERTIFICATE

Designed for those who may not have the required sea time to sit the Watchkeeping Mate exam, applicants must have 6 months qualifying sea service, and must successfully pass Ministry of Transport exams in:

- 021F - Navigating Instruments
- 041F - Chartwork and Pilotage
- 161F - General Seamanship

*COMMAND ENDORSEMENT

Students completing their Watchkeeping Mate certificate may write additional exams in meteorology, stability and ship management. Successful completion of the Watchkeeping Mate certificate with a command endorsement is equivalent to the old Canadian Home Trade 350 ton master ticket.

PREREQUISITES: All applicants for the above certificates must hold a valid first aid ticket and a valid restricted radio-telephone operator's license.

*This course is not offered by the college this year, but will be available next year.

The main courses of the Fisheries program have been packaged into four blocks, and will be offered on a day program, Monday through Friday, 8:30 a.m. - 4:30 p.m.

BLOCK I (November 14 - November 25)
BLOCK II (November 28 - December 23)
BLOCK III (January 9 - February 3)
BLOCK IV (February 6 - February 17)

Some courses are repeated in each block, but will only be offered depending on enrolment. Students should choose those blocks and classes they wish to attend (see course descriptions following).

Fishing modules will be offered in each main block, and include net mending and construction, fish care, marine diesel engine, boatwork and bookkeeping. Some will be evening courses.

FEES: Block I - \$7.50
Block II - \$15.00
Block III - \$15.00
Block IV - \$7.50

CANADA MANPOWER SPONSORSHIP is available. Contact Manpower offices, 302 - 2nd Avenue W. Prince Rupert, B. C.

Telephone: 624-9671

Information and registration at:
NORTHWEST COMMUNITY COLLEGE
Amante Building,
820 - 3rd Avenue West,
Prince Rupert, B. C.

OR

P. O. Box 698
Prince Rupert, B. C.

Telephone: 624-6054



*Courses marked "F" refer to the Fishing Watchkeeping Mate certificate program. Course content is similar to the Watchkeeping Mate program, but more general.

061 NAVIGATION SAFETY

Familiarization with general rules of the road, safety at sea, collision regulations, ship routing regulations, the code of navigating practices and procedures, raft and barge regulations, rules of the road for the Great Lakes, and St. Lawrence River navigation safety. 2 weeks.

Block I
8:30 a.m. - 4:30 p.m.

041/041F CHARTWORK AND PILOTAGE

Reading standard charts; fixing positions and plotting courses; calculation of tides, currents, depth of water and vessel speed; determining true and Magnetic courses; latitude and longitude; Canadian Buoyage System. 4 weeks.

Block II
Block III
8:30 a.m. - 4:30 p.m.

**021/021F NAVIGATING INSTRUMENTS

Practical instruction and use of navigating equipment to enable students to correctly use electronic devices, including Loran, Decca, radar and gyro compasses. Students writing the MoT exam in 021/021F will also be sent to the Vancouver Marine Training School for a one week session on simulated electronic navigation AFTER the 4 week course here.

**Offered in Block III ONLY, provided interest and enrolment is high enough.

151 GENERAL SHIP KNOWLEDGE

To acquaint students with reading weather conditions and interpreting forecasting systems. A general course in regulations governing safe operation of a sea-going vessel, such as accident avoidance and pollution preventive measures. Ship duties, rigging and loading gear and basic instruction in ship construction. 4 weeks.

Block II
Block III
8:30 a.m. - 4:30 p.m.

161/161F GENERAL SEAMANSHIP

A course covering fire-fighting and safety techniques, the use and knowledge of distress signals, life saving skills and lifeboat handling. Includes duties and responsibilities of crew and officers and safety maintenance of equipment, keeping a log; discipline, and Safe Working Practices. 2 weeks.

Block IV
8:30 a.m. - 4:30 p.m.

FIRST AID (Fishermen's endorsement)

This 18 hour course covers practical survival first aid, from setting a broken bone to delivering a baby onboard a boat. Designed especially for fishermen. Prerequisite to sitting ANY MoT exams. 8 sessions.

Block I
Block II
(evenings and/or days)

RESTRICTED RADIO OPERATOR'S LICENSE

A 10 hour course covering practical and theoretical operation of radio-telephones. Includes signals, codes, and regulations. Prerequisite to sitting ANY MoT exam. 5 sessions.

Block I
Block IV
(evenings and/or days)

Following are descriptions of the fishing components to be offered in conjunction with the certificate program.

NET MENDING AND CONSTRUCTION

A two week day program on building and repairing nets. Students will decide in class what net they will build. This course covers the basics of practical knots and splicing.

BLOCK I

MARINE DIESEL ENGINE

A general course providing fishermen and other small boat operators with instruction in the operation of marine diesel engines, trouble shooting and preventive maintenance.

Evenings

*BOATWORK

A short course on stripping and cleaning sea-going vessels. Includes minor repairs, techniques and tools.

Evenings

FISH CARE

A one day workshop using a locally developed tape-slide kit to present proper handling of fish from ocean to shore, department of fisheries regulations and inspection methods, and some theory on fish deterioration.

Day

*Boatwork will be offered ONLY provided sufficient enrolment.

P R E - R E G I S T R A T I O N

NAME _____ PHONE _____

ADDRESS _____

EXPERIENCE _____ SEASONS

POSITION ON BOAT _____ TYPE OF BOAT _____

PROGRAM SELECTION (please check)

Watchkeeping Mate _____

Fishing Watchkeeping Mate _____

BLOCK I (November 14-November 25)

- 061 Navigation Safety
- Net mending and construction
- First Aid
- Restricted radio operator's license

BLOCK II (November 28 - December 23)

- 041/041F - Chartwork and Pilotage
- 151 - General Ship Knowledge**

BLOCK III (January 9 - February 3)

- 151 General Ship Knowledge
- 021/021F - Navigating Instruments**
- 041/041F - Chartwork and Pilotage**

BLOCK IV (February 6 - February 17)

- 161/161F - General Seamanship
- First Aid
- Restricted radio operator's license

**Offered in these blocks ONLY if enrolment and interest is sufficient.