

#124

SAULT COLLEGE OF APPLIED ARTS *ic* TECHNOLOGY
SAULT STE. MARIE, ONTARIO

Course Title: WELDING

Code No.: (ViSH'S;i:L

Program: ADVANCED MARINE & SMALL ENGINES APPRENTICESHIP


Semester: 91W


Author: G. Thom

Date: 1991 01 04

Previous Outline Dated:

1989 05 19

APPROVED: 
DEAN, SCHOOL OF TECHNICAL TRADES

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DATE

WELDING

Course Name

Course Number

PHILOSOPHY/GOALS:

This course will introduce the student to position welding with F3 and F4 electrodes.

Furthermore, the student is given an insight into weldability of common metals and alloys.

METHODS OF ASSESSMENT (GRADING METHOD):

MARKING SYSTEM	1 Theory Test	-	30%
	Skill Evaluation	-	70%
A - 85%+			
B - 75% - 84%			
C - 60% - 74%			
D - 50% - 59%			
F - Repeat			
	TOTAL	-	100%

Instructors should provide marks in percentage. A mark of "D" must be balanced with a "B" (in another subject if necessary) to obtain a passing grade of "C" - average. Instructors should try for a class average of between 70 - 75%.

The instructor will determine which practical exercises will be used for grading.

TEXTBOOK(S);

Instruction aid sheets and notes taken by students.
Students should be given a copy of the course outline.

OBJECTIVES:

The basic objectives are to teach the student proper techniques in position welding. Time does not permit to concentrate on actual weld quality.

The student should realize that all objectives may not necessarily be met due to time constraints.

SUMMARY - MARINE *ic* SMALL ENGINE - ADVANCED

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCE
	T-THEORY L-LAB		
	1/2T	Introduction to program. - safety; personal, shop - maintenance of shop	
	1/2T	Welding Machines - types - adjustments - rating	
	1/2T	Electrodes - classification - characteristics - use - storage - special electrodes	
4 a	12L	Welding Practices - flat position, pad and fillets - horizontal position, pad and fillets - vertical up position, fillets	
	1/2T	- weld faults	
		Test	
Total Hours	2 T 12 L		