

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



**SAULT  
COLLEGE**

**COURSE OUTLINE**

**COURSE TITLE:** Craft Operation and Navigation  
**CODE NO. :** MSE370 and MSE836      **SEMESTER:** TWO  
**PROGRAM:** Motive Power Fundamentals – Small Engine Repair (5084)  
Marine Engine Mechanic – Level 3 Apprenticeship (6089)  
**AUTHOR:** Gord Strachan  
**DATE:** March      **PREVIOUS OUTLINE**      March  
2014      **DATED:**      2013  
**APPROVED:**

*“Corey Meunier”*

**CHAIR**

**DATE**

**TOTAL CREDITS:** ONE

**PREREQUISITE(S):**

**HOURS/WEEK:**

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**For additional information, please contact Corey Meunier, Chair**  
**Technology & Skilled Trades**  
**(705) 759-2554, Ext. 2610**

**I. COURSE DESCRIPTION:**

Upon successful completion of the reportable subject, the student is able to describe craft operation and navigation procedures in accordance with government safety regulations, manufacturers' recommendations and specifications and approved industry standards.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

Upon successful completion of this course, the student will demonstrate the ability to:

**1. *Interpret and Describe Coast Guard Craft Operation Requirements.***

Potential Elements of the Performance:

- Describe and select the coast guard craft operation requirements.
- Interpret the Ministry of Transportation (MTO) rules of the road.

**2. *Describe the Fundamentals of Marine Radio Operation and Navigation Equipment.***

Potential Elements of the Performance:

- Define the fundamentals of marine radios and navigation equipment.
- Describe the operating procedures for marine radios and navigation equipment.

**3. *Describe Marine Craft Operation Fundamentals.***

Potential Elements of the Performance:

- Identify the fundamentals of craft operation.
- Describe the operating procedures for marine craft.

**4. *Describe the Fundamentals of Lines, Cleats and Chocks.***

Potential Elements of the Performance:

- Identify the fundamentals of lines, cleats and chocks.
- Perform the operating procedures for lines, cleats and chocks.

**III. TOPICS:**

1. Coast Guard Craft Operation Requirements
2. Marine Radio Operation and Navigation Equipment
3. Craft Operation Fundamentals
4. Lines, Cleats and Chocks

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:****Title:** Understanding the Outboard Motor**Edition:** 3rd**Author:** Stagner**Publisher:** Pearson Education**Title:** Boat-owner's Mechanical and Electrical Manual**Edition:** 3rd**Author:** Calder**Publisher:** McGraw Hill**Title:** Safe Boating Guide

Transport Canada

Free Publication

**CSA Certified 6 inch Leather Safety Boots**  
**CSA Certified & Impact Resistant Safety Glasses**  
**Coveralls (non-flammable material - i.e. cotton)**  
**Shop Coat (optional)**

**V. EVALUATION PROCESS/GRADING SYSTEM:**

Theory Testing	65%
Application Experiences	5%
Final Assessment	30%

The following semester grades will be assigned to students:

<b>Grade</b>	<b>Definition</b>	<i>Grade Point Equivalent</i>
A+	90 – 100%	
A	80 – 89%	4.00
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	

X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.
NR	Grade not reported to Registrar's office.
W	Student has withdrawn from the course without academic penalty.

## VI. SPECIAL NOTES:

### Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

Attendance is mandatory except with a valid excuse. If late you will be marked absent for the whole hour. For every unexcused absence you will be deducted 1% per class period. Previous notification or a call the day of absence is required for excusal.

If you miss a test with an unexcused absence you will not be allowed to write that test.

If a class is missed or going to be missed it is your responsibility to notify your instructor and make arrangements for handouts and notes taken while you were away.

CSA approved safety glasses and safety boots must be worn in the shop at all times. Please have safety boots and safety glasses available because you may not have a lot of warning when going into the shop.

**CELL PHONES OR PAGERS MUST BE TURNED OFF IN ANY CLASS.**

## VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.