

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



**SAULT  
COLLEGE**

**COURSE OUTLINE**

**COURSE TITLE:** Heating Inspection II

**CODE NO. :** HIC102/OEL578                      **SEMESTER:** W11

**PROGRAM:** Home Inspection Certificate

**AUTHOR:** Laurie Poirier

**DATE:** Fall 2010              **PREVIOUS OUTLINE DATED:** N/A

**APPROVED:** "Laurie Poirier"                      Fall 2010

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	<b>CHAIR</b>	<b>DATE</b>
<b>TOTAL CREDITS:</b>	3	
<b>PREREQUISITE(S):</b>	HIC101 or OEL577 - Heating Inspection I	
<b>HOURS/WEEK:</b>	45 Hour Course	

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*For additional information, please contact Laurie Poirier, Chair*  
*School of Continuing Education*  
*(705) 759-2554, Ext. 2665*

**I. COURSE DESCRIPTION:**

This subject covers vent systems, flues and chimneys, as well as fireplaces, other wood heating appliances, steam and electric heating systems. Students apply knowledge of these systems to the role of home inspector.

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

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

1. Knowledge of wood heating.  
Students will learn what they can inspect and what not to inspect as regards to wood heating. All elements of design will be discussed and expanded on by internet research.
2. Knowledge of ASHI Standards.  
The students will be briefed again on the ASHI Standards of practice and the required reporting information that must be on the, reports.
3. Knowledge of electrical heating.  
Electrical heating will be discussed along with the safety precautions required to inspect, steam heating, gas heating wall furnaces, wood stoves, fireplaces and what not to inspect on these units.
4. Knowledge of fuel delivery.  
Different options of fuel delivery, storage and handling will be discussed. Fire safety of fireboxes, draft requirements and combustion air along with the documented fire hazards.
5. Knowledge of space heaters.  
Space heaters and the problems associated with locations venting, clearance, and heating ability.
6. Awareness of safety operations.  
Review of most important aspects of heating a home and what is required for safe operation, installation and venting requirements for safe efficient heating.

**III. TOPICS:**

1. ASHI standards of practice and the importance of proper reporting.
2. Electric heat and the dangers of improper installations.
3. Steam heating and new technology applied to radiant heating.
4. Gas fireplaces, Space heaters, wood stoves and wood furnaces.
5. Chimney inspection and ladder safety combined
6. Combustion air and what the codes require for proper operation.

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:**

Heating Inspection II – Carson Dunlop and Associates

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

- Quizzes are worth 20% of your final mark
  - Each individual Quiz is worth 5%.
  - There are four quizzes.
  - We will delete the lowest scoring of the four quizzes from your grade.
- The midterm test is worth 25% of your final mark
- Field exercise/assignments are worth 15% of your mark
- The final test is worth 40% of the final mark

The following semester grades will be assigned to students:

<b>Grade</b>	<b><u>Definition</u></b>	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
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.

**VII. COURSE OUTLINE ADDENDUM:**

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