

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



**SAULT
COLLEGE**

COURSE OUTLINE

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|-------------------------|--------------------------------|--------------------------------|--------------|
| COURSE TITLE: | Interior/Insulation Inspection | | |
| CODE NO. : | HIC107/OEL728 | 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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| | | CHAIR | DATE |
| TOTAL CREDITS: | 3 | | |
| PREREQUISITE(S): | n/a | | |
| HOURS/WEEK: | 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:

Focus is on the inspection of thermal insulation, vapor retarders and ventilation systems, as well as the inspection of interior elements of residential dwellings such as walls, ceilings, floors, basements, doors, windows, interior stairs/railings, installed countertops and cabinets, and garage doors/door operators.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. The students will learn ASHI standards of practice for inspecting interiors, ventilation, moisture issues and insulation. They will understand what to inspect and what not to inspect.
2. Students will learn the importance of R- value, building envelope, problems with different types of insulation, radiant barriers and what to look for in good design.
3. Air and vapor control along with ventilation requirements to prevent moisture issues. Proper airflow, humidity and ventilation for occupancy. Designs of good Heat recovery units.
4. Cathedral ceilings and problems associated with designs, Basements and moisture issues plus corrections required in inspection, Crawlspace and the inherent safety precautions needed in inspection.
5. Inspection procedures for hidden problems, Signs of improper installation, Detection of poor workmanship and correction do's and don'ts.
6. The students will learn different trim designs, cabinets, stairs, windows, skylights, solariums, doors and clues found near areas for moisture issues.

III. TOPICS:

1. ASHI standards of practice.
2. Insulation and R values.

3. The building envelope and issues with moisture.
4. Radiant barriers, air vapor control and ventilation.
5. Heat recovery units and proper ventilation for good air quality.
6. Cathedral ceiling, basement and crawlspace, trim, cabinets, stairs, doors, windows, skylights and Solarium inspection.

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Interior Insulation Inspection – 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:

| Grade | <u>Definition</u> | <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 | |

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| | 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.