

#429(1)

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: TRADE THEORY

CODE NO: EER010
PROGRAM

SEMESTER: 16 WEEK

PROGRAM: ENERGY EFFICIENT RENOVATIONS

AUTHOR: Charlie Martin/Art Delparte

DATE: NOVEMBER 94

PREVIOUS OUTLINE DATED: NEW



APPROVED: *[Signature]*
Dean, School of Technical Trades

Nov 18, 1994
Date

COURSE NAME: TRADE THEORY

CODE NO. EER010

TOTAL CREDIT HOURS: 6 CREDITS

PREREQUISITE(S): As determined by sponsor

I. PHILOSOPHY/GOALS:

Trade Theory will expose students to the materials, methods and designs related to the Energy Efficient Renovations trades. This course will also cover communication skills required to work in the field and problem solving in a variety of situations.

II. STUDENT PERFORMANCE OBJECTIVES:

Upon successful completion of this course the student will:

- . have knowledge of the safe and proper use of equipment and be able to understand the methods and reasons for complying with the Occupational Health and Safety Act as it pertains to ladders, scaffolding, personal safety, job site safety and handling of materials
- . be familiar with building methods and modern building materials in a standard wood frame home which will allow students to apply energy efficient design and methods to existing homes and buildings
- . have the knowledge required to upgrade existing structures in both interior and exterior finishes and renovations
- . have knowledge of types of doors and windows commonly used in home construction and renovation
- . have knowledge of various types of insulation/vapour barriers/air barriers available today
- . have exposure to heating and cooling systems and the important part that these system play in energy efficient renovations – types of heating and cooling systems and proper ventilation requirements will be discussed
- . know the proper procedures in planning, estimating, building codes and permits, as well as customer relations and coordinating renovation projects with other trades

III. TOPICS TO BE COVERED:

Approximate Time Frames
(Optional)

Safety
Basic Carpentry/Construction Practices
Exterior Finishes and Renovations
Interior Finishes and Renovations
Windows/Doors
Insulation/Vapour Barriers/Air Barriers
Renovations/Planning and Procedures
Heating/Cooling/Ventilation Systems

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IV. LEARNING ACTIVITIES

In-class theory

Shop Demonstrations

REQUIRED RESOURCES

. all handouts and course information
supplied by instructors

V. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS ETC.)

- . 90% Attendance of theory class is required
- . 60% required on all written tests
- . assignments are to be handed in on due date and time

Skills Grading Legend

The following grade symbols are used in recording final grades for all Skill Programs:

- 85% - 100% = A = Consistently Outstanding
- 75% - 84% = B = Above Average
- 60% - 74% = C = Average
- 50% - 59% = D = Below Average
- 0% - 49% = F = Failure

VI. REQUIRED STUDENT RESOURCES

VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:

VIII. SPECIAL NOTES

Students with special needs (eg. physical limitation, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of the students.