

#429(2)

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: TRADE SHOP

**CODE NO:
PROGRAM**

EER020

SEMESTER: 16 WEEK

PROGRAM:

ENERGY EFFICIENT RENOVATIONS

AUTHOR:

Charlie Martin/Art Delparte

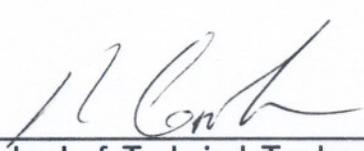
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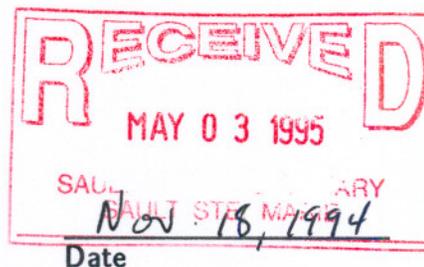
NOVEMBER 94

PREVIOUS OUTLINE DATED:

NEW

APPROVED:


Dean, School of Technical Trades



COURSE NAME: TRADE SHOP

CODE NO. EER020

TOTAL CREDIT HOURS: 15 CREDITS

PREREQUISITE(S): As determined by sponsor

I. PHILOSOPHY/GOALS:

The Trade Shop course will provide students with the hands-on experience in current trade practices that pertains to energy efficient construction, renovations and retro fit. The practical applications of the theory taught will equip students with skills to work in the area of energy efficient renovations, as well as other related occupations.

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 practical application and knowledge required to upgrade existing structures in both interior and exterior finishes and renovations
- . have practical experience/knowledge in installation of various types of doors and windows commonly used in home construction and renovation
- . have practical experience/knowledge of various types of insulation/vapour barriers/air barriers available today
- . have had exposure to the important part that heating and cooling plays in energy efficient renovations - types of heating and cooling systems and proper ventilation requirements will be discussed
- . have practical experience with 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)

Practical aspects of:
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

Shop Demonstrations

Video Tapes

Hands-on experience

REQUIRED RESOURCES

. all handouts and course information
supplied by instructors

REQUIREMENTS ETC.)

- . Attendance
- . Participation
- . Shop Projects

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.