

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Outline: BUILDING CODES & PRACTICES

Code No.: ARC 125

Program: ARCHITECTURAL TECHNICIAN

Semester: II

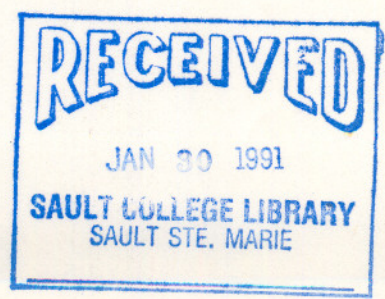
Date: NOVEMBER, 1988

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New: X Revision:

APPROVED: *L. P. Crockett*
Chairperson

88/10/31
Date



BUILDING CODES & PRACTICES

Course Name

ARS 125

Course Number

PERFORMANCE OBJECTIVES:

The objective for this course is to familiarize students with the interpretation of the residential sections of the Ontario Building Code and practices that stem from each section.

A general knowledge of building components, their purpose and utilization, the building code act and its interpretations as well as discussions relating to various sections, such as: foundations, structures, carpentry, plumbing, masonry, exterior finishes, etc,

METHOD OF ASSESSMENT:

Written Tests	- 75% -
Attendance & Participation	- 10% -
Projects	- 15% -

TEXTBOOK: "GUIDE & ILLUSTRATIONS" for part 9 of the Ontario Building Code.

"ONTARIO BUILDING CODE"

GRADING:

The following grade symbols will be used in assessing and grading assignments & projects:

A+	- 95%-100%	(consistently outstanding achievement)
A	- 76%-94%	(outstanding achievement)
B	- 66%-75%	(consistently above average achievement)
C	- 55%-65%	(satisfactory or acceptable achievement)
X or R	- 0%-54%	(incomplete or repeat)

Marks will be accumulated and averaged using assignments and tests. Assignments will be handed in by due dates, otherwise loss of marks will result or new assignments issued.

Topics and Descriptions:

A) Introduction:

- course
- Ontario building code
- building code act
- building classifications
- permit acquisition

B) Systems:

- materials, systems and equipment
- loads
- room & space dimensions

C) Openings:

- doors
- windows
- stairs
- ramps
- handrails
- guards

D) Protection:

- means of egress
- fire protection
- sound control

E) Foundations:

- Excavation
- waterproofing
- dampproofing
- drainage
- footings
- foundations
- slabs on ground

F) Supports & Openings:

- columns
- wall spaces
- roof spaces

G) Masonry:

- Above-grade masonry
- Chimneys
- flues
- fireplaces

H) Wood Construction:

- wood frame
- studs
- joists
- rafters
- headers
- plates
- bridging
- collar ties

I) Sheet Steel Stud Construction:

J) Thermal Insulations & Vapour Barriers:

K) Sheathings:

- roofing
- siding
- flooring

L) Interior Wall & Ceiling Construction:

- finishes
- coverings
- stucco
- paints
- wallpapers
- plaster & gyproc
- sheetrock

- M) Plumbing:
- N) Ventilation:
- O) Heating & Air-conditioning:
- P) Electrical Facilities:
- Q) Thermal Design:
- R) Garages & Carports:
- S) Cotages:
- T) Log Construction:

Field Trip Optional