

I. COURSE DESCRIPTION:

This subject covers retaining walls, grounds, window wells, lot grading, driveways, patios, walkways, decks, balconies, stoops and steps, porches, railings, wall cladding, flashing trim, eaves, soffits, fascia, as well as exterior doors and windows. Students learn to describe the exterior wall coverings and inspect all aspects of the exterior named above.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Describe building shapes and details

Learn what types of buildings
Styles in architectural
Most common designs
Added carports
Garages and proper installation
Identification of structural issues
Proper installation of a decks and dormers.
Proper anchor and support of balconies
Proper inspection of support posts

2. Identify exterior cladding and materials

Brick veneer wall applications
Stone cladding and installation problems
Conventional stucco
Synthetic stucco
Wood siding and what to inspect
Metal panels
Vinyl siding and installation

3. Identify windows and doors

Styles of windows
Style of doors and installation
Types of trim for doors and windows
Proper flashing
Protection from moisture issues
Proper support over openings
Basement walkouts and problems related to design

4. Learn visual inspection and safety

- Proper sequence to inspect
- What to look for in inspection
- Where not required to inspect
- What to report on for client safety
- The importance of proper weeping tiles
- And importance of foundation material protection
- Identifying drainage on brick veneer
- Inspection of retaining walls
- Window wells

5. Learn the standards of practice for exterior inspection

- Siding materials
- Flashing details described
 - Exterior door identification
- Window styles
- Window performance
- Decks balconies porches
- Vegetation and grading identification
- Surface drainage
- What to put on the report
- What not to put on report

6. Due a mock inspection of exterior components and defects.

- Learn the tricks to identify quickly
- What to say to client
- What not to say to clients
- Proper approach to inspection
- How much detail is needed
- Latest comments used on a report form
- Proper grammar and spelling
- Standard of care

III. TOPICS:

1. Building shapes and details

Proper identification of building styles
 Details in design of different homes
 What is most common styles found in area
 What to research before inspection
 Dangers in design
 Proper building design for area
 Most common moisture issues with design

2. Exterior cladding and materials

Proper installation of brick veneer
 Proper installation of Stone veneer
 Concrete application for structure
 Conventional stucco design
 Synthetic stucco design
 Wood siding and installation techniques
 Metal panel problems and installation
 Vinyl siding installation and problems with design

3. Architectural styles, windows and doors

Style of most popular doors
 Style and problems with windows
 Problems with improper flashing details
 Support over entrance issues.
 What to report for safety
 What not report
 Proper identification
 Proper spelling and grammar

4. Moisture control and inspection terms

Identifying moisture intrusion
 Identifying proper repair work
 Proper comments on report
 What needs to be on the report in regards to moisture
 How to identify mold issues
 What not to say about mold issues
 Instruction on proper procedures when finding moisture problems

5. Decks balcony's and garage inspection

Proper installation techniques
 Making sure it is safe
 What to report on
 Anchor issues and proper inspection
 Pillar support issues
 Proper stairs attachment

6. Mock inspection of exterior

Complete form of inspection required for exterior
 Proper location to start in the inspection
 What to look for in research information
 Safety issues in animals, vermin and insects
 Damage from animals or insects and identification
 Proper grammar and spelling

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

Exterior Inspection – Carson Dunlop and Associates

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

Quizzes: 20%

Field exercises: 15%

Mid-term: 25%

Exam: 40%

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%	
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
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.