

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



Sault College

**COURSE OUTLINE**

**COURSE TITLE:** Construction Codes and Practices  
**CODE NO. :** CON 208 **SEMESTER:** 3  
**PROGRAM:** Construction Technician  
**AUTHOR:** B. Sparrow  
**DATE:** May 07 **PREVIOUS OUTLINE DATED:** Aug 06  
**APPROVED:**  
\_\_\_\_\_  
**DEAN** **DATE**  
**TOTAL CREDITS:** 3  
**PREREQUISITE(S):** None  
**HOURS/WEEK:** 3

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*For additional information, please contact C. Kirkwood, Dean*  
*School of Technology, Skilled Trades & Natural Resources*  
*(705) 759-2554, Ext. 2688*

**I. COURSE DESCRIPTION:**

The intent of this course is to provide the student with knowledge and understanding of the codes, laws and regulations relative to construction projects. The course also examines performance of work according to codes, standard practices and contract documents. Quality issues, health and safety as it relates to the code will also be examined. The goal of the course is to help prepare the student for writing of the housing and small buildings examination when available.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

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

1. Understand and interpret municipal by-laws.

Potential Elements of the Performance:

- Understand the organization and purpose of zoning by-laws
- Determine the buildable area for a given site using by-law 4500
- Distinguish between minor variance and rezoning
- Understand the purpose and organization of the municipal planning and building divisions

2. Interpret and apply the Ontario Building Code Part 9

Potential Elements of the Performance:

- Discuss the organization of the OBC
- Perform a Part 9 code review for a given set of building drawings
- Utilize the code appendices applicable to Part 9
- Identify agency standards and describe their application in construction
- Interpret drawings for code compliance (from ARC 111)

3. Interpret and apply the Ontario Building Code Part 3

Potential Elements of the Performance:

- Discuss the application of Part 3 of the OBC
- Perform a Part 3 code review for a given building
- Define and calculate limiting distance using the OBC

4. Recognize health and safety issues as a code requirement.

Potential Elements of the Performance:

- Identify code related construction safety issues
- Identify code related quality issues
- Understand the scope and application of health and safety regulation stemming from the code

5. Examine OBC Part 11

Potential Elements of the Performance:

- Recognize the application of Part 11
- Use a flowchart to determine the application of Part 11
- Conduct a Part 11 review given a set of drawings

### **III. TOPICS:**

1. Municipal by-laws and regulation
2. Ontario Building Code
3. Ontario Building Code Part 9
4. Ontario Building Code Part 3
5. Health and Safety as Related to the Code
6. Ontario Building Code Part 11

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

Ontario Building Code on CD-ROM ([orderline.com](http://orderline.com))

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

You will be assigned a final grade on successful completion of laboratories assignments, and tests, weighted as follows:

Laboratories/Assignments	50%
Two tests of equal weight	<u>50%</u>
TOTAL	100%

Late submittals receive a maximum grade of 60%. However, laboratories or assignments handed in later than one week will receive a grade of 0.

The following semester grades will be assigned to students:

<b>Grade</b>	<b><u>Definition</u></b>	<i>Grade Point Equivalent</i>
A+	90 – 100%	
A	80 – 89%	4.00
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:**Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 703 so that support services can be arranged for you.

Retention of Course Outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Communication:

The College considers **WebCT/LMS** as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of the **Learning Management System** communication tool.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Code of Conduct*. Students who engage in academic dishonesty will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

If a student is unable to write a test on the date assigned, the following procedure is required:

- The student shall provide the Professor with advance notice preferably in writing of his/her need to miss the test.
- The student may be required to document the absence at the discretion of the Professor.
- All decisions regarding whether tests shall be re-scheduled will be at the discretion of the Professor.
- The student is responsible to make arrangements, immediately upon return to the College with his/her course Professor related to make-up of the missed test prior to the next scheduled class for the course in question.
- In the event of an emergency on the day of the test, the student may require documentation to support the absence and must telephone the College to identify the absence. The college has a 24 hour electronic voice mail system (759-2554)

Students are expected to familiarize themselves with the Sault College *Student Code of Conduct*, available through the Sault College web pages. This applies to matters of behaviour, use of electronic devices, attendance and academic responsibility. Students are expected to conduct themselves in a respectful and professional manner at all times.

#### **VII. PRIOR LEARNING ASSESSMENT:**

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

#### **VIII. DIRECT CREDIT TRANSFERS:**

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.