



**COURSE OUTLINE
TECHNOLOGY DIVISION**

Centre for Construction and Engineering Technologies

Schools of Architectural Studies and Construction Management and Trades

COURSE NAME: Restoration Methods and Materials I Applied Theory and Practices
COURSE CODE: BLDG 2035
CREDIT HOURS: 126 HRS
PREREQUISITES: BLDG 2003
COREQUISITES: None
ANTE-REQUISITES: None
EFFECTIVE DATE: August 2007
PLAR ELIGIBLE: YES (X) NO ()

NOTE TO STUDENTS: Academic Departments at George Brown College will NOT retain historical copies of Course Outlines. We urge you to retain this Course Outline for your future reference.

FOR OFFICE USE ONLY		
ORIGINATOR: _____	SIGNATURE	DATE
CHAIR: _____	SIGNATURE	DATE
DATE OF REVISION: _____		

EQUITY STATEMENT: George Brown College values the talents and contributions of its students, staff and community partners and seeks to create a welcoming environment where equity, diversity and safety of all groups are fundamental. Language or activities which are inconsistent with this philosophy violate the College policy on the Prevention of Discrimination and Harassment and will not be tolerated. The commitment and cooperation of all students and staff are required to maintain this environment. Information and assistance are available through your Chair, Student Affairs, the Student Association or the Human Rights Advisor.

STUDENT RESPONSIBILITIES: Students should obtain a copy of the *Student Handbook* and refer to it for additional information regarding the grading system, withdrawals, exemptions, class assignments, missed tests and exams, supplemental privileges, and academic dishonesty. Students are required to apply themselves diligently to the course of study, and to prepare class and homework assignments as given. Past student performance shows a strong relationship between regular attendance and success.

COURSE DESCRIPTION:

This course provides the learner with practical & theoretical instruction in restoration masonry practices. Class projects and demonstrations will be given from a new construction and restoration perspective. Students will construct walls and will then focus on restorative techniques such as tuck-pointing and unit replacement. The learner will also receive swing stage training and certification by CSAO 3 days of training as specified by professor.

ESSENTIAL EMPLOYABILITY SKILLS:

As mandated by the Ministry of Training, Colleges and Universities essential employability skills (EES) will be addressed throughout all programs of study. Students will have the opportunity to **learn (L)** specific skills, to **practice (P)** these skills, and/or **be evaluated (E)** on the EES outcomes in a variety of courses. The EES include communication, numeracy, critical thinking & problem solving, information management, interpersonal and personal skills. The faculty for this course has indicated which of the EES are either Learned (L), Practiced (P) or Evaluated (E) in this course:

Skill	L	P	E	Skill	L	P	E
to communicate clearly, concisely and correctly in the written, spoken and visual form that fulfills the purpose and meets the needs of the audience				to locate, select, organize and document information using appropriate technology and information sources			
to respond to written, spoken or visual messages in a manner that ensures effective communication				to show respect for the diverse opinions, values, belief systems, and contributions of others	X	X	X
to execute mathematical operations accurately				to interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals	X	X	X
to apply a systematic approach to solve problems	X	X	X	to manage the use of time and other resources to complete projects	X	X	X
to use a variety of thinking skills to anticipate and solve problems.	X	X	X	to take responsibility for my actions, decisions and consequences	X	X	X
to analyze, evaluate, and apply relevant information from a variety of sources	X	X	X				

COURSE OUTCOMES:

The learner can demonstrate: the ability to repair, patch and resurface concrete, the skills necessary to select, use, and maintain tools and equipment used in the restoration industry, the ability to safely conduct over head Balcony Repairs and to form repairs as required, the ability to safely conduct Underground parking repairs, the ability to identify where and when expansion joints need to be cut and to cut expansion joints in masonry walls, the ability to mix mortar for the purpose of tuck pointing and unit replacements of masonry units, the ability to repair and tuck point masonry walls using a variety of methods, problem solving skills regarding that will reduce and eliminate water infiltration into masonry walls, the skills necessary to conduct basic repairs to EIFS systems, the ability to safely use and operate a swing stage under guidance from skilled personal

DELIVERY METHODS:

The professor will teach using physical examples and applied problems in a construction lab as well classes will be taught in a lecture format using a variety of methods including group participation, power point slides, and guest lectures

LIST OF TEXTBOOKS AND OTHER TEACHING AIDS:

Ontario Building Code
materials will be handed out as required

EVALUATION

Tests	25%
CSAO Swing Stage Certification	10%
Assignments and Projects	65%