COURSE OUTLINE

CIV205

Prepared: Daniel Perri Approved: Corey Meunier

Course Code: Title	CIV205: APPLIED MUNICIPAL SERVICES
Program Number: Name	4080: CIVIL ENG TECHNICIAN
Department:	CIVIL/CONSTRUCTION
Semester/Term:	18W
Course Description:	Students will examine: water supply, water treatment plants, sewage disposal, garbage disposal, sewer design, government approval applications, subdivision design. Field trips to various municipal services installation works are included.
Total Credits:	4
Hours/Week:	4
Total Hours:	60
Vocational Learning Outcomes (VLO's): **Please refer to program web page for a complete listing of program outcomes where applicable.**	**4080 - CIVIL ENG TECHNICIAN** #1. develop and use strategies to enhance professional growth and ongoing learning in the civil engineering field. #4. carry out sustainable practices in accordance with contract documents, industry standards and environmental legislative requirements. #7. use industry-specific electronic and digital technologies to support civil engineering projects. #8. participate in the design and modeling phase of civil engineering projects by applying engineering concepts, basic technical mathematics and principles of science to the review and production of project plans.
Essential Employability Skills (EES):	#3. Execute mathematical operations accurately. #4. Apply a systematic approach to solve problems. #5. Use a variety of thinking skills to anticipate and solve problems. #7. Analyze, evaluate, and apply relevant information from a variety of sources. #10. Manage the use of time and other resources to complete projects. #11. Take responsibility for ones own actions, decisions, and consequences.
General Education Themes:	Science and Technology
Course Evaluation:	Passing Grade: 50%, D
Other Course Evaluation & Assessment Requirements:	Grade Definition Grade Point Equivalent

	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 W Student has withdrawn from the course without academic penalty.
Evaluation Process and Grading System:	**Evaluation Type** / **Evaluation Weight** Assignments / 40% Tests / 60%
Books and Required Resources:	Basics of Environmental Technology by Jerry A. Nathason Publisher: Prentice Hall Edition: 6th Edition
Course Outcomes and Learning Objectives:	**Course Outcome 1.** Demonstrate relevant mathematical, computer and technical problem solving skills as it relates to civil engineering / construction projects. **Learning Objectives 1.** **Course Outcome 2.** Demonstrate an understanding of the working roles and inter-relationships required to adhere to the objectives of the project and work in accordance to labour-management principles and practices. **Learning Objectives 2.** **Course Outcome 3.** Apply sound environmental practices and policies in civil engineering and construction projects. **Learning Objectives 3.**
Date:	Monday, December 18, 2017
	Please refer to the course outline addendum on the Learning Management System for further information.