

Graduate Courses in CRE (2023/24) - Subject to change as revisions may be necessary

Directed studies (Master's); CIVL 6000; ENVE 6000; MINE 6007

Directed studies (PhD); CIVL 7000; MINE 7007

Structural

CIVL 6149 Application of Finite Element Method II (Nonlinear Systems) (Oudah, F.)–Fall 2023

CIVL 6150 Dynamics of Structures (Oudah, F.) – Fall 2023

CIVL 6156 Fibre Reinforced Composites for Civil Engineering Infrastructure (Sadeghian, P.)-Fall 2023

CIVL 6101 Advanced Strength of Materials (Garagash, D.) – Winter 2024

CIVL 6102 Tubular Steel Structures (Tousignant, K.) – Winter 2024

Water (physical)

CIVL 6002 Wetland Hydrology and Biogeochemistry (Somers, L.) – Fall 2023

CIVL 6410 Engineering Hydrogeology (Kurylyk, B.) – Winter 2024

CIVL 6001 Small Watershed Hydrology (Jamieson, R.) – Winter 2024

Water (chemical/microbiological)

CIVL 6115 Design of Water Treatment Plants (Walsh, M.) - Winter 2024

CIVL 6118 Advanced Wastewater Treatment (Stoddart, A) – Winter 2024

Geotechnical/geoenvironmental

CIVL 6414 Environmental Systems Engineering (Liu, L.) – Fall 2023

CIVL 6126 Foundation Engineering I (El Naggar, H.) – Fall 2023

CIVL 6144 Geo-Environmental Barrier Design (Lake, C.) – Winter 2024

Transportation

CIVL 6119 Highway Materials (Ali, N.) – Fall 2023

CIVL 6139 Transport Operations (Habib, M. A.) – Winter 2024

Mineral resource

MINE 6001 Advanced Rock Mechanics (Zou, S.) -Fall 2023

MINE 6002 Mine Excavation (Corkum, A.) - Fall 2023

MINE 6006 Applied Numerical Modeling in Geomechanics (Bahrani, N.) – Winter 2024