



Job Title

GE 152.1 Lecture & LAB Instructor
Electrical Circuits I

Length of Employment

Sessional
September 2 – December 9, 2022
Thursdays 1pm to 4pm & Fridays 1pm to 5pm
Total 31.5 hours
Subject to change

Credentials:

M.Sc, M.Eng, or Ph.D degree in Engineering
Registered with APEGS (Preferable)
PEng. Registration is an asset

Location:

St. Peter's College Campus – Muenster, SK

How to apply:

Please send your CV and cover letter to jobapplications@stpeters.sk.ca by Thursday, July 7th at 5pm local time.

Employer Information

St. Peter's College brings together a picturesque rural setting with a high level of academic integrity and excellence. Located in Saskatchewan's heartland, St. Peter's College offers the best of both worlds, by offering a friendly and supportive learning environment and excellent instruction amidst a beautiful and historical facility and campus.

Our reputation for quality, innovation and excellence has gained provincial, national and international attention. Our former students and alumni are the entrepreneurs, lawyers, science and health professionals, educators and leaders who are making a difference in communities, provinces and countries throughout the world.

St. Peter's College has been affiliated with the University of Saskatchewan since 1926. We offer face-to face classes. Many students attend St. Peter's College to take their first and second year of Arts and Science, Business/Commerce, Agriculture, Engineering or Kinesiology or to fulfill the entry requirements to colleges such as Medicine, Law, Nutrition, Pharmacy, and Education.

Course Description

This course includes two concurrent modules. Module 1 introduces students to basic properties of direct-current electrical circuits: voltage, current, resistance and power. Students will learn to analyze series and parallel resistive direct-current circuits by applying: Kirchoff's laws, Ohm's law, mesh and node analysis, superposition and Thevenin's and Norton's Theorems. Module 2 introduces students to computation and programming using Matlab. Students will learn the Matlab

interface and how to conduct I/O, plot data in 2 and 3 dimensions and solve linear systems using matrix data types. Students will apply programming skills to create programs and user-defined functions. Students will be introduced to advanced features available in Matlab.