Position Information

Position Rank: Part-Time Instructor  
Discipline/Field: Big Data Analytics  
Home School: School of Continuing Studies  
Home Department: Continuing Professional Education  
Position Start Date: TBD, Ongoing

York University, founded in 1959, is now Canada’s third largest university. The School of Continuing Studies was established in 2015 and is quickly becoming a leader in adult learning, serving working professionals and diverse communities while offering an unparalleled academic experience.

ABOUT THE PROGRAM
The Certificate in Big Data Analytics and the Certificate in Advanced Data Science & Predictive Analytics are generalist programs aimed at supporting students in preparation of entering a data analyst or similar entry-level data science roles. The program consists of courses that are 8-weeks in length and use a blended delivery format of in-person and online classes. The program has emerged to now being one of the most popular data analytics programs in Canada.

POSITION DESCRIPTION
The Part-Time Instructor leads delivery of their course under direction of the Program Manager and as part of a large instructional team. The incumbent will be guided in delivery of their assigned course by their many years of experience in a professional role related to data engineering, machine learning engineering, data analytics, data science, or similar, and with expertise in the teaching and training of adults.

INSTRUCTOR & COURSE DEVELOPER DUTIES

- Define, evaluate and validate learning outcomes, and correspondingly design strategies and tactics for assessing student learning
- Offer innovative approaches to quality teaching and learning that improve student outcomes and embed technologies into the classroom experience
- Provide formative assessment of student learning through a variety of methods and subsequently providing counsel to students where required
- Support learning through formative assessment and summative evaluation
- Participate in academic/curriculum and other components of annual and comprehensive program reviews
- Periodically asked to weigh in on other program matters, including student recruitment and selection, scheduling, room assignments, technology, etc.
GENERAL QUALIFICATIONS

• Minimum master's level education completed in computer science, engineering, math, statistics or physics; other degrees will be considered with commensurate experience

• Minimum 7 years of experience as a practitioner in a highly technical, data-related role with experience working from beginning to end on data science projects in a business environment, including at least 2 years of experience having worked as a data analyst

• Minimum 2 years of experience teaching or training adults in an educational or corporate setting

• 2 years of experience managing a data science team in a business environment or being employed on the business side (e.g., business intelligence) is preferred

• Experience incorporating adult learning principles and constructivist approaches to teaching and learning in an outcomes- or competency-based approach is preferred

• Extensive experience in dealing with unclean and unstructured data and subsequently building data pipelines to improve data collection, as well as training and testing models, and presenting to other stakeholders

• Experience with Jupyter, MongoDB, MySQL, Pandas, Spark, Hadoop, Tableau, etc.

• Extensive programming experience in Python, as well as at least one compiled language

• Familiarity with online course delivery and principles of online learning is preferred

• Demonstrated ability working in a team environment with excellent interpersonal and organizational skills

SUBMITTING YOUR APPLICATION

Applications must consist of a cover letter and curriculum vitae. Candidates may choose to include samples of their work.

Preferred candidates may be asked for qualification verification (e.g., credentials).

Please ensure your application specifically states which position you are applying for and the corresponding course or courses.

Applications are to be addressed and submitted to:

Sean Woodhead
Program Manager, Continuing Professional Education
School of Continuing Studies
woodhead@yorku.ca