Huron Brief Course Outlines

Fall/Winter 2023-2024

Course Title: INTRO TO DATA SCIENCE

Course Number and Section | MOS | 3335A - 550 |

Instructor Name(s): Dr. Aria Teimourzadeh

Instructor Email(s): ateimour@uwo.ca

Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL is the official and authoritative source of information for the course.

Course Description:

Data science is the field of study that combines domain expertise, programming skills, and knowledge of mathematics and statistics to extract meaningful insights from data. This course will focus on simultaneously teaching introductory skills needed to collaborate on teams with data scientists, analysts, and other information professionals. Topics include: Database Management, Data Science methods in Python, Data Visualization techniques, Basic Machine Learning techniques, critical Topics in Big Data and Emerging AI Technologies.

Learning Outcomes:

Build and manage a database

Develop interdisciplinary skills on how to integrate critical and creative thinking with examples from computational tools.

Apply analytical techniques to datasets to produce insights for decision making.

Textbooks and Course Materials:

No textbook is required; readings will be assigned from instructor generated material, software documentation and free online resources.
Access to a laptop that has Windows OS or Mac OS is required.

Methods of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Weekly Assignments		20%
Midterm Exam		31%
Quiz		14%
Group Project		35%

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.