Seneca | SCHOOL OF SOFTWARE DESIGN & DATA SCIENCE

Course Code	BDM550	Course Section	NAA	Course Title
Term	Fall 2023 (2237)	Course Outline Link	Course Outline Link	Instructional Mode
Scheduled Weekday for Lecture	Monday	Scheduled Class Start Time (in Eastern Time)	8:55 AM	Scheduled Class End Time (in Eastern Time)
Scheduled Weekday for Lab	Monday	Scheduled Class Start Time (in Eastern Time)	9:50 AM	Scheduled Class End Time (in Eastern Time)
Professor's Name	Elnaz Delpisheh	Professor's Email Address	elnaz.delpisheh@senecacollege.ca	Professor's Telephone Number

* Additional rows for second professor's information are available for semesters when two professors will facilitate course. If needed, highlight rows 8 to 12, right click, and select "Unhide". Upon completion of the addendum - highlight, right click and HIDE THIS LINE.

Assessment Summary

Workshops	25% (5 workshops)
Assignment	20% (Final project)
Quizzes	15% (8 quizzes)
Midterm	20%
Final assessment	20%

The semester starts on XXX

Week	Class type	Topics/Activities	Instruction Mode	Class Location
Week 1	Lecture and Lab	Language Processing and Python	Online Synchronous (Attend online at scheduled time)	MS Teams

Week	Type	Topic	Mode	Platform
Week 2	Lecture and Lab	Corpus processing and Wrangling Accessing Text Corpora (nltk, WordNet)	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 3	Lecture and Lab	Preprocessing Raw Text	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 4	Lecture and Lab	Categorizing and Tagging words	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 5	Lecture and Lab	Text Vectorization	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 6	Lecture and Lab	Text Classification -Supervised classification -Decision Trees -Naïve Bayes - Maximum Entropy -Evaluations	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 7	Lecture and Lab	Midterm test	Online Synchronous (Attend online at scheduled time)	MS Teams
Study week is from XXX				

Week 8	Lecture and Lab	Text Clustering -Unsupervised learning on Text - Topic Modeling (LDA)	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 9	Lecture and Lab	Extracting Information from Text -Chunking -Named entity Recognition -Relation extraction -Evaluations	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 10	Lecture and Lab	Regular Expressions and Context free grammar	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 11	Lecture and Lab	Text Visualization	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 12	Lecture and Lab	Graph Analysis of Text Final project presentations	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 13	Lecture and Lab	Review Final project presentations	Online Synchronous (Attend online at scheduled time)	MS Teams
Week 14	Lecture and Lab	Final Exam	Online Synchronous (Attend online at scheduled time)	MS Teams

The semester ends XXX

* If you are teaching a compressed (7-week) course, highlight rows 33 to 40, right click , and select 'Hide'.

* Additional rows are available for courses that have two teaching blocks per week. For weeks 1 - 7, highlight lines 22 to 32, right click, and select 'Unhide'. For weeks 9 - 15, highlight lines 39 to 49, right click, and select 'Unhide'.   For further instruction, please see the instruction tabs to identify how to alter the Addendum to showcase the full details of the course. Upon completion of the addendum - highlight row 51 and 52, right click and HIDE THESE LINES.

Other Important Semester Dates

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