Instructors: Predrag Rajniš (predrag.rajnis@smu.ca)
William Wells (wellsww@hotmail.com)

Course Website: SMU Brightspace LMS

Course Schedule: Saturdays, 8:30 am – 11:30 am, 12:30 pm – 3:30 pm

Textbook: No textbook purchase will be required. Reading materials, case studies, and open access texts will be provided when necessary. All materials will be posted in Brightspace.

Calendar Description: Please see 2018-2019 Graduate Academic Calendar

Course Prerequisites: Please see 2018-2019 Graduate Academic Calendar

Academic Integrity: See Academic Integrity and Student Responsibility section of the Academic Calendar.

Accessibility: Please feel free to visit the Fred Smithers Centre or meet with your instructor(s) to discuss any special concerns. http://www.smu.ca/campus-life/fred-smithers-centre.html

Grading Scheme:

Component	Grade %	Notes
Assignments	75	Case studies, projects, presentations, analyses, etc.
Participation	25	Regular attendance, class discussions, small in class quizzes or exercises

Assignment Policy: Late submissions will not be accepted. Students are expected to arrive to classes prepared to discuss any assigned materials.

Extra Help: Do not hesitate to email your instructor(s) to discuss any aspect of the course.

Attendance: Students are expected to attend classes regularly and to arrive on time. Additionally, the labs will involve practical applications and work that cannot be replicated via notes. Reasonable accommodation will be made for special circumstances.

Methods of Course Delivery: Class time will consist of traditional lectures supplemented with online materials and student interaction. The course area in Brightspace will serve as the central and trusted repository for all course related materials.

Learning Outcomes: This course will examine the structure of IT systems from a technical, human, and business perspective. A primary goal is to prepare students to be able to make informed IT decisions for a possible future career in IT Management. There will be an emphasis on applying learned concepts to projects and assignments.

A brief outline of possible topics may include:

- IT Management strategies
- Issues facing IT industry
- Business theory
- Big Data
- Management of large scale IT services
- IT infrastructure and architecture
- Cloud Services
- Virtualization
- Common server software systems

Lab Instructors:

Nikita Neveditsin
Jim Mackenzie
Cheryl Howley
Heather Fraser

Tentative Class Schedule

DATE	SESSION	INSTRUCTOR	SUBJECT(S) / NOTES
12-JAN	Morning	Predrag	Introductory class, technology trends
12-JAN	Afternoon	Nikita	Linux
19-JAN	Morning	Nikita	Linux
19-JAN	Afternoon	Nikita	Linux
26-JAN	Morning	Predrag	Presentation and Communication Skills
26-JAN	Afternoon	William	Introduction to Advanced Analytics
2-FEB	Morning	Nikita	Linux
2-FEB	Afternoon	William	Introduction to Hadoop
9-FEB	Morning	William	Hadoop Advanced
9-FEB	Afternoon	Predrag	Individual Presentations (Group 1)
9-FEB	Afternoon	Nikita	Linux (Group 2)
16-FEB	Morning	Predrag	Individual Presentations (Group 2)
16-FEB	Morning	Nikita	Linux (Group 1)
16-FEB	Afternoon	Nikita	Docker
23-FEB	Morning	Reading Week, No Classes	
23-FEB	Afternoon	Reading Week, No Classes	
2-MAR	Morning	Nikita	AWS
2-MAR	Afternoon	Nikita	AWS
9-MAR	Morning	William	Intro Apache Spark
9-MAR	Afternoon	Predrag	Leadership and Strategy
16-MAR	Morning	Nikita	AWS
16-MAR	Afternoon	Cheryl	System Analysis
23-MAR	Morning	William	Apache Spark SQL + DataFrames
23-MAR	Afternoon	Predrag	Group Presentations
30-MAR	Morning	Predrag	Operations and Innovation
30-MAR	Afternoon	Heather	Project Management
6-APR	Morning	William	Apache Spark Machine Learning
6-APR	Afternoon	William	Group Project Presentations
13-APR	Morning	Jim	Azure
13-APR	Afternoon	Jim	Azure