Learning Plan 2017-18

Course Name: Analytical Software Applications					
Course Code: COMP 5003					
Program(s): Business Analytics					
Delivery Method:	Face to Face⊠	Hybrid□	Online□		
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Campus Dean/Associate Dean Signature of Approval:					
Date approved: 5/8/2018					

Assessment Plan

Spring □

Summer⊠

Winter□

Students will demonstrate learning in the following ways:

 $\mathsf{Fall} \square$

for the semester of:

Assessment	CLO*	VLO**	Description (e.g. Frequency,	Tentative Due	% Of	Total
Туре			details)	Dates	Grade	%
Assignments	1,2,3	1,2,3,	Take home assignments to be	Week 1, Week	15%	45%
	,4	4,5,6	submitted on expected due dates	5, Week 10		
Computer	1,2,3	1,2,3,	MidTerm	Week 7	15%	15%
Test	,4	4,5,6				
Group Project	1,2,3	1,2,3,	Project undertaken in teams to be	Week 15	40%	40%
	,4	4,5,6	presented in a final, written report			
			and to class.			

^{*}CLO: Course Learning Outcome **VLO: Vocational Learning Outcome

Program Specific Continuance Policy

Continuance Policy for The School of Business This policy applies to the following academic programs within the School of Business: Advertising & Marketing Communications Advertising & Marketing Communications Management Business Business Administration Business Analytics Business - Accounting Business Administration — Accounting

Business — Human Resources

Business Administration — Human Resources

Business Administration - Fast Track — Human Resources

Business — Marketing

Business Administration — Marketing

Interactive Marketing Communications

Health Care Administration

Office Administration

Office Administration — Health Services

Office Administration — Legal

Office Administration — Medical/Legal

Law Clerk

Logistics and Supply Chain Management

Students in the School of Business must be in good academic standing to continue within their program of study.

To be in good Academic Standing, students in a normal course load must

- Maintain a semester GPA of 1.5 or higher
- Have not failed more than 2 courses
- Have successfully completed a minimum of 4 courses
- Students studying part time will have their records reviewed upon completion of 270 course hours of course work.

Students not maintaining good academic standing will be placed on Academic Probation. Academic probation requires a student to take a normal full time course load:

- maintain a semester GPA of 1.5
- Students do not fail any courses
- Students studying part time will have their academic probation apply for three semesters or a minimum of 4 courses
- Students not able to meet the conditions of Academic probation will be placed on Academic Suspension

Students will be placed on Academic suspension if they:

- Fail to be in good academic standing for 2 consecutive semesters
- Receive a failing grade for the same course twice

Academic suspension requires that a student be withdrawn from their program of study for one calendar year. To be readmitted to their program of study students need to re-apply to the program and provide documentation that demonstrates their commitment to maintaining good academic standing. Re-application decisions are made by the registrar's office. Students on academic suspension are not allowed to enroll in any courses in the School of Business offered as part of the programs listed above. Students are eligible to enroll in courses through Continuing Education.

Academic Withdrawal

Students who have been academically suspended twice will be academically withdrawn. Academic withdrawal prevents students from enrolling in any program within the College. Academic withdrawal decisions will be made by the Registrar's office.

College Academic Policy stipulates that students must pass 2/3 of their courses or 70% of their course hours in order to continue as a full time student.

College Continuance Policy

College Academic Policy stipulates that students must pass 2/3 of their courses or 70% of their course hours in order to continue as a full time student.

Required Texts, Materials, Resources or Technical Materials Required

- 1. Galit Shmueli, Peter C. Bruce, Nitin R. Patel, Inbal Yahav, Kenneth C. Lichtendahl Jr. Data Mining For Business Analytics. Concepts, Techniques, and Applications in R, 1st Edition, 2017
- 2. Lecture Notes, Tableau, Knime Software, Spotfire, Power BI

2017-18 College Academic Policy: Attendance and Participation

6.1 Attendance

Attendance refers to presence in scheduled classes. It is not tied to evaluation of learning outcomes and shall not be used in calculation of final grades. Taking attendance is at the discretion of the faculty. Any requirements for attendance shall be written in the course outline and clearly explained to students. When attendance is taken, these records may be used to determine eligibility for re-writes, supplemental tests/assignments, field placement or to identify students at risk. If attendance is used to determine eligibility for rewrites, supplemental tests/assignments, or field placement, the minimum required attendance standard shall be stipulated in the course outline and clearly explained to students.

Some programs are subject to attendance policies of external institutions or regulatory bodies which may supersede St. Lawrence College policy. In such cases, the governing policy pertaining to attendance shall be written in the course outlines and clearly explained to students. When compulsory attendance recording is required by a sponsoring agency, it is the student's responsibility to collect confirmation of attendance from professors.

6.2 Participation

Participation refers to student engagement in learning activity tasks that contribute to the achievement of stipulated learning outcomes. Participation may be assessed, and may contribute to final evaluation. If participation is used as an assessment strategy, the participation criteria must be objective and measureable. The expected participation elements and the method of evaluating the stated elements shall be written in the course outline and clearly explained to students.

6.3 Labs/Field Placement/Clinical Practice Participation

Each program will establish policy and procedures related to participation in labs, field placements, and clinical practice. Penalties for nonparticipation shall be clearly stipulated. These policies and procedures shall be written in all applicable course outlines, and clearly explained to students.

The College supports the principle of reasonable accommodation and makes all reasonable efforts to meet the disability related placement needs of its students. In collaboration with the academic schools, Accessibility Services will play a leadership role in instituting practices that respect each student's dignity, inclusion opportunities and independence. The college strives to eliminate attitudinal, academic, and physical barriers that hinder the placement success of students with disabilities.

Source: 2017-18 Academic Policy Manual

Special Notes for this Course

Assignments

Problems will be assigned periodically during the term. All assignments will be collected on their due date for grading. Students must notify the instructor by email before the start of class or tests (any type) in order to request the opportunity to submit late assignments or to be eligible for the test. It is the responsibility of the student to contact the instructor by email within 24 hours to set up an appointment to discuss options.

Laptops

It is highly recommended that students bring their personal Laptops to class to make it easier for them to review assignments and projects with their groups.

Learning Plan Delivery Schedule

Initials of Campus/Associate Dean: July John Date: 5/8/2018

Please Note: Any changes to this delivery schedule will be communicated in writing by the professor to the students.

Week	Topic	Key Learning Objectives	Learning Activities	Resources & References
Weeks 1 -3 Introduction to Tableau		- Explain how to use Tableau to visualize	- Guided lecture notes	-Lecture Notes
	and Data Visualization	data	- Small and Large	
		- Build simple analytical models with	Group discussion	-Tableau Software
		Tableau		
		- Implement Geo-mapping in Tableau		
Weeks 4 -6	Data analytics with	-Build data analytics models in Tableau	- Guided lecture notes	-Lecture Notes
	Tableau		- Small and Large	
		- Build Social Media Analytics models in	Group discussion	-Tableau Software
	Social Media Analytics	Tableau		
	with Tableau			
Week 7	Reading Week			
Week 8	Mid-Term(in class or take home)			
Weeks 9 -11	Overview of Knime	- Explain how to use Knime for data	- Guided lecture notes	-Lecture Notes
		visualization and quick analysis	- Small and Large	
		- Build data analytics models in Knime	Group discussion	-Knime Software
Weeks 12 -14	Artificial Intelligence –	- Describe Neural Networks	- Guided lecture notes	-Lecture Notes
	Machine Learning	- Build Deep Learning models in Knime	- Small and Large	-Knime Software
		- Implement Machine Learning Algorithm	Group discussion	-Data Mining For Business
	Power BI and Spotfire	to solve simple problem		Analytics. Concepts,
				Techniques, and

Week	Topic	Key Learning Objectives	Learning Activities	Resources & References
		- Build dashboards with Power BI and		Applications with R
		Spotfire		(Chapter 11)
Week 15	Final Project Submission and Presentation			