



**BOOTH**  
**UNIVERSITY**  
**COLLEGE**  
SCHOOL FOR CONTINUING STUDIES

**BUS 176/MIS 176 Cyber Intelligence**  
**Fall 2019**

Instructor Name: Cybint Solutions  
Contact Information: customerservice@cybintsolutions.com  
Delivery Mode: Online  
Duration: September 4 to December 3, 2019  
Credits: 3 credit hours  
Prerequisites: None

Voluntary Withdrawal Deadline: November 1, 2019  
Time Extension Application Deadline: November 22, 2019

**Course Description**

This course is designed to introduce students to cyber intelligence with a focus on its essential theories, elements and analysis of threats and opportunities. Includes foundational topics such as: hidden/deleted data, efficient information extraction, reputational analysis, geo-location, darknet, and online research methodology.

**Learning Outcomes for Students**

By the end of this course students should be able to:

- Conduct effective and efficient online internet research
- Explain how internet tools can be used to discover detailed information about a business or individual
- Discuss digital forensic basics
- Analyze trends and associated reputational indicators
- Uncover hidden data and geolocations
- Discuss the dark net and its role in criminal trade

**Required Textbook(s) and Reading(s)**

All required materials will be available online in the course modules.

## Course Outline

Week of	Topic	Requirements
Sept. 4	Introduction to Cyber Intelligence	Ungraded Questions and Graded Quiz must be completed by Sept. 8
Sept. 9	The Finder	
Sept. 16	The Finder continued	Ungraded Questions and Graded Quiz must be completed by Sept. 22
Sept. 23	Profiling and Due Diligence	
Sept. 30	Profiling and Due Diligence continued	Ungraded Questions and Graded Quiz must be completed by Oct. 6
Oct. 7	Trends and Reputational Analysis	Ungraded Questions and Graded Quiz must be completed by Oct. 13
Oct. 14	<b>Reading Week</b>	
Oct. 21	Hidden Data	Ungraded Questions and Graded Quiz must be completed by Oct. 27
Oct. 28	Digital Forensics	Ungraded Questions and Graded Quiz must be completed by Nov. 3
Nov. 4	Geolocation	
Nov. 11	Geolocation continued	Ungraded Questions and Graded Quiz must be completed by Nov. 17
Nov. 18	Dark Net and Criminal Trade	Ungraded Questions and Graded Quiz must be completed by Nov. 24
Nov. 25	Online Research Methods	
Dec. 2	Online Research Methods continued	Ungraded Questions and Graded Quiz must be completed by Dec. 3
Final Exam Period December 6-13		Final Exam

## Course Requirements

### Ungraded Questions

Students are required to answer a series of questions in each course module that are not graded. These questions are intended to aid your grasp and retention of the course material. Please note: completion of these questions each week is very important to prepare for the final exam.

### Graded Quizzes

There will be a quiz at the end of each module consisting of randomized questions based on the material covered in that module. All quizzes must be completed before the end of the week to which they belong. There will be 10 quizzes in total, all of which will be completed online.

### Final Exam

The exam can be taken at any point during the exam week. It will be completed online and students are required to use the tools they have learned in the course, so will need to use their computer and the internet. Students are required to achieve a grade of 70% (B) in the final exam in order to be eligible to pass the course.

## Grading Summary

Graded Quizzes	40%
Final Exam	60%
Total	100%

## Course Evaluation and Grading System

This course will use percentage grading, which will be translated into letter grades according to the following scale:

96-100 = A+	65-69 = C+
83-95 = A	60-64 = C
77-82 = B+	50-59 = D
70-76 = B	0-49 = F

### Letter Grades & Grade Points

**A+ (4.5) Exceptional performance** with evidence of outstanding original thinking, superior organization, exceptional capacity to analyze and synthesize, a superior grasp of the subject matter with sound critical evaluations, evidence of an extensive knowledge base. A final grade of A+ may be awarded only with the approval of the Academic Dean.

**A (4.0) Excellent performance** with evidence of excellent original thinking, excellent organization, excellent ability to analyze and synthesize, an excellent grasp of the subject matter with sound critical evaluations, evidence of an extensive knowledge base.

**B+ (3.5) Very good performance** with evidence of original thinking, very good organization, demonstrated ability to analyze and synthesize, a very good grasp of the subject matter, evidence of good critical judgment, a very good understanding of the relevant issues under examination, very good familiarity with the relevant literature.

**B (3.0) Good performance** with evidence of a good grasp of the subject matter, evidence of critical capacity, good analytical ability, a good understanding of the relevant issues under examination, evidence of good familiarity with the relevant literature.

**C+ (2.5) Satisfactory performance** with evidence of a satisfactory grasp of the subject matter, evidence of critical capacity, demonstrated analytical ability, an understanding of the relevant issues under examination, evidence of familiarity with the relevant literature.

**C (2.0) Adequate performance** with evidence of an adequate grasp of the subject matter; some evidence of critical capacity, an ability to develop solutions to simple problems found in the material; evidence of familiarity with some of the relevant literature.

**D (1.0) Marginal performance** with evidence of marginal familiarity with the subject matter and some evidence that critical and analytical skills have been used.

**F (0) Inadequate performance** with little evidence of even a superficial understanding of the subject matter; serious weaknesses in critical and analytical skills; limited or irrelevant use of the literature; failure to satisfy course requirements.

## **Academic Policies**

### **Academic Integrity**

It is a serious offence to present a piece of work for course credit as one's own if the work or a portion thereof was done by some other person (plagiarism). Actions of plagiarism harm both the student and the reputation of the University College. Plagiarism or any form of cheating in examinations or term tests (e.g. crib notes) is subject to serious academic penalty that may include loss of part or all of the marks for an assignment/test, failure in the course, dismissal from the University College, or other serious consequences. Plagiarism or cheating in a course in which a student is cross-registered with the University of Manitoba may lead to disciplinary action by the University according to its policies.

To plagiarize is to take ideas or words of another person and pass them off as one's own. In short, it is stealing something intangible rather than an object. Obviously it is not necessary to state the source of well-known or easily verifiable facts, but students are expected to acknowledge the sources of ideas and expressions they use in their written work, whether quoted directly or paraphrased. This applies to diagrams, statistical tables and the like, as well as to written material and materials or information from Internet sources. Failure to do so constitutes plagiarism. It will also be considered plagiarism and/or cheating if a student submits an assignment in whole or in part by someone other than him/herself, or copies the answer or answers of another student in any test, examination, or take-home assignment.

At the beginning of their program of study, all students are required to complete the prescribed plagiarism tutorial.

Instructors are required to report all allegations of plagiarism or cheating to the Academic Dean before a grade is assigned. The original assignment is submitted to the Academic Dean.

The Academic Dean will chair a joint meeting of student and instructor to hear both the allegations and the student's response to the allegations. The Academic Dean will then make a determination whether or not plagiarism or cheating has in fact occurred and decide on appropriate disciplinary measures. The student and instructor will be notified of the Academic Dean's decision in writing. A copy of the decision will be sent to the Registrar and University College President. The student has the right to appeal the decision of the Academic Dean (see Academic Appeals).

### **Use of Personal Computers, Electronic Devices and Cell Phones in Booth Classrooms**

We consider the Booth classroom environment to be a special place of focused engagement between professors and students. As such, electronic devices are allowed in the classroom only for the purposes of course instruction. The use of computers, the internet (including email), downloaded material, or other electronic devices such as cell phones require the express permission of the instructor. Social networking sites such as Facebook, Twitter, blogging and other related activities are not permitted in Booth classrooms. The use of personal computers and other electronic devices in the classroom is a privilege which may be withdrawn at the discretion of the instructor.