Course Title: Applications in Information and Emergent Technology

Level: Undergraduate

Note: As the course is in its initial development and launch, all below is subject to change at the instructor's discretion.

DATE & LOCATION: Thursdays from 15:10 - 17:00, N301/L505 (will be announced)

COURSE DESCRIPTION:
A core challenge for businesses today is understanding how "emergent" technology interfaces with fundamental business information systems and technology. In this course, students are introduced both to fundamental information systems for businesses and advances in modern technology (artificial intelligence, blockchain, IoT, robotics) and how these affect businesses in respects to markets, operations and ethics.

This course will be delivered in the form of topical overviews in emergent technology augmented by student-led research, case studies and simulation projects. Learning will be knowledge-based and experiential - students will be assessed by their ability to obtain and assimilate technological information and concepts into projects.

COURSE PREREQUISITES:

None

REQUIRED MATERIALS & RESOURCES:
Hardware: wifi-enabled laptop computer (*please speak with instructor if the student does not have access to one)

COURSE OBJECTIVES:
At the successful completion of this course, each student will be able to:

COURSE OBJECTIVES	ASSESSMENT MEASURES
1. General knowledge of IT fundamentals for businesses	Describe a typical IT set up for a small business, a start-up business and a large enterprise
2. General knowledge of modern technological advances and characteristics of “disruptive” technology	Develop a set of metrics to assess risk and reward of emerging technologies
3. General knowledge and simulative practice of managing technology life cycles	Develop a policy for assessing a business’ existing technology
4. General knowledge and simulative practice of acquiring and adopting a novel technology	Develop a proposal for a real company to acquire and implement a novel technology
5. Ability to identify and mitigate potential ethical issues pertaining to emergent technology	Develop an internal and public policy for a company to manage ethical concerns related to its technology
6. Ability to technically understand AI, IoT, blockchain and robotics and their potential applications and risks in business markets, operations and ethics	Develop a plan for a company to replace a core legacy technology with an emerging technology.

ASSESSMENT CRITERIA:
As the course is designed towards comprehension of technology and its intersection with business administration, student work will be assessed on their ability to accurately assimilate these interdependent areas of knowledge and practice. Given that students are undergraduate level, and may or may not yet have experience with certain topics such as fiscal management or probability and statistics, assessments will be tailored towards more generalized knowledge.

Attendance: 10%
Submitted work: 90%

RULES AND CONDUCT:

- General expectations of decency, mutual respect and tolerance will be applied.
- Any intentional plagiarism will be dealt with as strictly as university policy allows.
- Sleeping students will be asked to go home to sleep (see General expectations of decency..)