Information Technology Department

Course Code	:	**ISTREND**
Course Title	:	Trends in Information Systems
Type of Course	:	Professional course
Pre-requisites	:	-
Co-requisite	:	-
Pre-requisite to	:	-
Term / Academic Year	:	Summer Term, AY 2021-2022
Class Schedule	:	MWF 16:00 – 19:00 Fully Online
Instructor	:	Liandro Antonio T. Tabora Liandro.tabora@dlsu.edu.ph
Consultation Hours	:	H 16:00 – 17:00
Course Site / Repository	:	Canvas
Course Group	:	https://dlsu.instructure.com/courses/100344
Estimated time for study outside class	:	3 hours per week

Course Description
This course introduces students to the various trends in computing and latest innovations related to ICT and its uses. Students will get to see the motivations behind these new innovations and how such technologies have changed organizations and the society at large, to envision what the future is like when these mature and become pervasively used. In addition, the course will include an examination of different methods, tools, and techniques on how these new systems are developed and managed.

Learning Outcomes (LO)
Upon completion of this course, the student is expected to be able to do the following:

Expected Lasallian Graduate Attributes	Learning Outcomes
Critical and Creative Thinker, Effective Communicator	**LO1.** To practice an emerging technology (ET) and understand the underlying issues encircling the use of such technology
Critical and Creative Thinker, Effective Communicator, Reflective Lifelong Learner	**LO2.** To trace the history of such ET as it is or as an offshoot of a metamorphosis of other technologies and critically see and present what are the important implications of the adoption of such technology
Reflective Lifelong Learner, Service-Driven Citizen	**LO3.** To examine these ETs and see how they are used in other industries aside from the business sector

Major Course Outputs (MCO)
As evidence of attaining the above learning outcomes, the student is required to do and submit the following during the indicated dates of the term.

Learning Outcome/s	Required Output	Due Date
LO1, LO2, LO3	MCO1: Emerging Technology Report	Week 4-8
LO1, LO2	MCO2: Emerging Technologies Webinar Paper	Week 7
LO1, LO2, LO3	MCO3: Individual Research (Written)	Week 8-10
LO1, LO2, LO3	MCO4: Group Project (Documentation and Oral Presentation)	Week 13-14

Although the major course outputs are all to be done collaboratively in groups, every student is expected to contribute to his/her group's work and will be graded accordingly. All group members are also expected to keep track of their own work contributions and should be ready to discuss these with the teacher whenever the need arises.

Rubrics for Assessment
See attachment.

Other Requirements and Assessments

Aside from the Major Course Output, the student will be assessed at other times during the term by the following:

- Reading Assignments
- Reflection / Reaction Papers
- Class Participation
- Class Activities (Assignments, Case Studies, others)

Grading System

Class Participation	5%
Class Activities	10%
Group Report	20%
Webinar Paper	15%
Individual Research	20%
Final Group Project and Presentation	30%

Total	100%

Passing Grade 70% (1.0)

Teaching Methods / Strategies

- Online Lectures & Class Discussion
- Reading Assignments
- Group Presentation
- Research Work
- Webinars and Podcasts

Learning Plan

Learning outcomes	Topics and Readings	Week	Learning Activities
	Course Orientation Syllabus, Requirements, Class Policies **Review of IT Industry / Concepts**	1	Discussion of course Syllabus Class Discussion
LO1, LO2	**Technological Evolution** - Review of Technology & Innovation **Emerging Technologies** - Introduce Top Technologies / Trends for the current year based on Gartner, Forrester, MIT Tech Review, etc.	1-2	Lecture Class Discussion Discussion on Emerging Technologies
LO1, LO2	**Implications on the use of Emerging Technologies** - Digital Security - Information Privacy - Ethics and Society - Future of Work	3	Lecture Class Discussion
LO1, LO2, LO3	**Research Presentation on Technological Evolution and Emerging Technologies**	4-8	Oral Reporting Class Discussion
LO1, LO2, LO3	**Technologies and Innovation** - Sources of Innovation & Strategizing Technologies - Choosing Tech & Innovation Projects - Organizing for Innovation	9-11	Lecture Class Discussion
LO1, LO2, LO3	**Group Project Consultation**	12	Consultation
LO1, LO2, LO3	**Group Project Presentation**	13-14	Project Presentation
LO1, LO2, LO3	**Submission of Group Project**	14	Project Presentation

Other Activities (4th Hour)

Activity	**No. of Hours**
Gartner Webinar	3
Individual Research Writing	3
Group Project Development	6

References

Holden, J. (2010). *Acquisitions in the New Information Universe: Core Competencies and Ethical Practices.* London: FacetPub. [Z689.H64 2010]

Parker, R. and Appelbaum, R. (2012). *Can Emerging Technologies Make a Difference in Development?*. New York: Routledge. [HC79.T4 C36 2012]

Reynolds, G. (2019). *Ethics in Information Technology*, 6th edition. Cengage. [HF5387.R49 2015]

Roper, Alan Thomas et al. (2011). *Forecasting and Management of Technology*, 2nd edition. New Jersey: Wiley. [T174.F67.2011]

Vermaat, M. et al. (2018). *Discovering Computers 2018: Digital Technology, Data, and Devices*, 1st edition. Cengage. [QA76.5 D57 2016]

Software Tools

None

Online Resources

General Policies

- All University policies on attendance, cheating, use of electronic devices, proper attire, eating, among others will be enforced. Refer to the Student Handbook for the details of these policies.
- Aside from these policies, standard Course policies as enumerated below will also be enforced. Additional class policies may be provided by the instructors handling the course.
- All requirements (assignments, project deliverables) are to be submitted 15 minutes from the start of classes. Late submissions will entail 10 points deduction per day for that requirement. Project deliverables will no longer be accepted after 3 days from the stated deadline.
- Missed class activities (e.g. cases, exercises, short quizzes) cannot be made up.
- Reflection papers are due one week after each seminar. The paper should (1) indicate the student name, section, seminar title, and professor; (2) be printed on a one-page 8.5 x 11 inches bond paper; and (3) use font Calibri size 11. An envelope where the student should put his paper will be provided at the IT Secretary's cubicle for each class. The envelop will be collected by 4:00PM. Late papers will NOT be accepted.
- Students should wear smart casual attire during class sessions.
- Students should be in business attire during the final project presentation.
- The student who was absent in previous meeting/s is expected to catch up on the missed discussion himself/herself (by asking his/her peers what he/she had missed).
- Comply with Section 4.13 Policy on Academic Honesty of the DLSU Student Handbook. (Link: http://www.dlsu.edu.ph/offices/mco/publications/student_handbook/default.asp)
- Students should inform the faculty adviser of their medical condition that will affect their performance in the course.

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