Middle Georgia State University

School of Computing
Department of Information Technology

SECTION 1 - GENERAL COURSE INFORMATION

Course Title:	Leading Disruptive Technology in Organizations
Course Prefix and Number:	ITEC 7210 – 01
Course CRN#:	81815
Semester & Session:	Fall 2022 (Second Session)
Campus Location:	D2L
Meeting Days:	N/A
Meeting Time:	N/A

INSTUCTOR'S INFORMATION

Name:	Dr. Vicky Sandoval	
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Office Location:	PSC 315	
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Tentative Office Hours:	Tue & Wed 12:30pm – 3:30pm	Thu 10:00am – 11:00am

COVID-19 STATEMENT

The University System of Georgia recognizes COVID-19 vaccines offer safe, effective protection and urges all students, faculty, staff, and visitors to get vaccinated; however, it is an individual decision to receive the vaccine and will not be required to be a part of our campuses. Everyone is encouraged to wear a mask or face covering while inside campus facilities. Unvaccinated individuals are strongly encouraged to get a vaccine, to continue wearing a face covering, and to continue socially distancing from others when possible. Updated protocols for isolation and quarantine will be in effect this semester in order to mitigate further spread of the coronavirus on our campuses. USG guidance is subject to change based on recommendations from GA DPH. MGA will remain flexible in their planning and be prepared to change course as necessary. MGA will continue to provide updated information at this website: ***https://www.mga.edu/coronavirus/*** *.*

COVID continues to be an evolving situation. Carefully review your syllabus, D2L announcements, or email for details.

SECTION 2 - DETAILED COURSE INFORMATION

Course Prerequisite: Admission to the DScIT Program.

Credit Hours: 3

Course Description: This course begins with explaining disruptive technologies and how new technologies are expected to create a new world of opportunities and risks in the business world. Students will learn how to lead and manage disruptive technologies and use them to leverage competitive advantage for organizations.

Student learning outcomes: Upon the successful completion of the course, the student will be able to:

- Evaluate the challenges involved in engaging in transformational activities
- Assess how organizations are using Disruptive Technology for competitive advantage
- Analyze the implementation of Disruptive Technologies to enable new capabilities
- Understand the processes that have enabled Disruptive Technologies to transform organizational capabilities
- Describe current and emerging technologies with the greatest potential to disrupt current business capabilities.
- Analyze the positive and negative consequences of Disruptive Technologies.

Topics: Topics include:

- Transformational Activities
- Current Disruptive Technologies
- Disruptive Technologies for New Capabilities
- Technology for Competitive Advantage
- Emerging Disruptive Technologies
- Consequences of Disruptive Technologies
- Specific technologies to be considered (representative):
    - Autonomous entities
    - Augmented Analytics
    - Immersive Experiences
    - Empowered Edge
    - Blockchain
    - Smart Spaces
    - Quantum Computing

Required course materials: Li, C. (2019). *The disruption mindset: why some organizations transform while others fail.* ISBN: 978-1940858708 Retrieved from Ideapresspublishing.com.

Various Professional/Academic Scholarly Journals will also be utilized (provided by the Instructor).

Technology Requirements:	• Students are required to have access to a computer and the Internet. All assignments, schedule, announcements, course syllabus, course content, rubrics, and supplemental course materials are posted on the D2L Course Shell.
	• Computer webcam access with built-in microphone for the purpose of recording presentations and participating in virtual meetings with the instructor and group members.
	• Microsoft Office (Word, Excel, & Powerpoint)

Library/Learning Resources: As a Middle Georgia State University student, you have complete access to GALILEO (Georgia Library Learning Online), a virtual library of licensed commercial databases. It provides access to over 100 databases indexing thousands of periodicals and scholarly journals. There are over 10,000 journal titles available in full-text. Additional GALILEO resources include e-books, government documents, reference collections, and video databases. The Middle Georgia State University library also has core collection with locally purchased resources to support this graduate course. Currently the exclusive holdings for the B.S. / M.S. in Information Technology graduate courses are as follows: e-Journals = 1,661, Print Books = 1,164, e-books = 4,325, and DVDs = 66.

The following are examples of online databases that support this undergraduate course. They are available to you through GALILEO and/or institutionally funded subscriptions:

- ACM Digital Library
- Computer Source
- Computing (ProQuest)
- Academic Search Complete
- Research Library (ProQuest)
- Wilson Omnifile: Full-Text Mega Edition
- Google Scholar
- Films on Demand

Tutoring is available free of charge on all MGA campuses for currently enrolled students. To view center contact information, subjects tutored, and tutor availability, go to the SSC website at http://www.mga.edu/student-success-center/. SSC tutoring sessions may be scheduled online and face-to-face through the "Book an Appointment" link on the Student Success Center website. Other services at the SSC include online academic workshops and a robust website with resources for academic assistance. The centers also have computer workstations, printing, and Internet access.

SECTION 3 – COURSE ASSESSMENT INFORMATION

Grading Summary	
Points	**Activity**
20	Assignment 1: Introduction to Disruptive Technologies
20	Assignment 2: Transformational Activities
20	Assignment 3: Current Disruptive Technologies
20	Assignment 4: Disruptive Technologies for New Capabilities
20	Assignment 5: Technology for Competitive Advantage
20	Assignment 6: Emerging Disruptive Technologies
20	Assignment 7: Consequences of Disruptive Technologies
20	Assignment 8: Thinking Transformatively.
160	Total

OVERVIEW OF GRADING

Excellent. The quality of work meets the doctoral requirements in both originality and mastery of the material. This is equivalent to an A grade.

Satisfactory. The work meets the minimum requirements. The work is short of excellence, originality, and does not fully demonstrate mastery of the material. This is equivalent to a B grade.

Unsatisfactory: The work is deficient as the minimum requirements have not been. This is equivalent to an F grade. (Anything below a Satisfactory (B-level) is deemed to be a failing grade.)

Grading Policy

Letter Grade	Description	Grading Scale
A	Excellent	90 to 100%
B	Satisfactory	80 to 89.9%
F	Unsatisfactory	79.9% or below

SECTION 4 – COURSE EXPECTATI0NS

EXPECTATIONS

Online courses are not self-paced and regular participation in online courses is required and will be recorded by your instructor. Students are expected to complete all course assessments using D2L.

Online learning assumes a high level of maturity and professionalism. It is designed to make learning more convenient but no less rigorous. The lack of a formal meeting schedule in an online course can be liberating. It can also be demanding because you must determine when to make time for class. Self-discipline and good time management skills are necessary when taking an online course.

Please remember that you will spend as much or more time completing an online course as you would taking it in a traditional face-to-face/classroom format. The special circumstances of taking an online course demand regular and consistent participation. Be sure to pace yourself throughout the semester making sure your responses to communications and assignments are timely. If you are not able to participate in any assigned class activities, you must contact your instructor immediately.

The instructor is required to report "no-shows" or students who do not show up the first day of class. Therefore, all students enrolled in the course must verify their enrollment. This can affect financial aid and you may be dropped from the class. Your instructor will notify you as to how to verify your enrollment before the beginning of the term to ensure that you are not reported as a "no-show".

ATTENDANCE POLICY

Students whose number of absences is more than twice the number of class meetings per week may be assigned a failing grade for the course. Students who have more absences than the number of class meetings per week but less

than twice the number of class meetings per week, will be penalized on the participation portion of the grade. Students who have absences which are less than or equal to the number of class meetings per week will not be penalized. This policy holds for face-to-face and hybrid courses.

Students that do not submit any work for more than 14 consecutive days in an online course or partially online course may be assigned a failing grade for the course.

The MGA policy on attendance is found in Section 5.04.05 of the Faculty Handbook and in the Academic Catalog (https://mga.smartcatalogiq.com/2020-2021/Undergraduate-Catalog/Academic-Policy-and-Information/Course-Policies/Attendance-Policy).

CLASS BEHAVIOR EXPECTATIONS AND CONSEQUENCES FOR VIOLATIONS

Middle Georgia State University students are responsible for reading, understanding, and abiding by the MGA Student Code of Conduct." Student Code of Conduct, Responsibilities, Procedures, and Rights are found at http://www.mga.edu/student-affairs/docs/MGA_Student_Handbook.pdf#page=45.

STUDENT WITHDRAWAL POLICY

Students are encouraged to read the withdrawal policy found at https://www.mga.edu/registrar/registration/drop-add.php before dropping/withdrawing from the class.

Students who wish to withdraw from the University must complete the Withdrawal Form, obtaining the required signature from the advisor, and submitting it to the Office of the Registrar at the Macon campus or the administrative offices at other campuses. Withdrawal is not complete until all withdrawal procedures have been properly executed. https://www.mga.edu/registrar/

Students may withdraw from the course and earn a grade of "W" up to and including the midterm date, which occurs on 11/5/2021. After this date students who withdraw will receive a grade of "WF." https://www.mga.edu/academics/calendars/index.php

POLICY ON ACADEMIC MISCONDUCT

As a Middle Georgia State student and as a student in this class, you are responsible for reading, understanding, and abiding by **Middle Georgia State's Student Code of Conduct**.

Quoted directly from the Student Handbook, I believe it is important that you recognize and understand the following about plagiarism and cheating:

1. *Individuals will fulfill their academic responsibilities in an honest and forthright manner.*

Examples of prohibited behavior include but are not limited to: plagiarizing another's work (such as using another's phrasing, concepts or line of reasoning as your own without giving proper credit to the author or creator); submitting course assignments that are not your own; submitting the same paper in different classes without prior approval from both instructors; cheating (the use of any unauthorized means to gain academic advantage on assignments, laboratory reports or examinations); acquiring or using test materials without faculty knowledge; accessing any information, resource, and/or means of communication during an exam or assignment without specific authorization from the

professor; failing to follow class policy; obtaining academic benefits through computer fraud or unauthorized access; engaging in academic fraud alone or with others; using material downloaded off Internet without proper citation; illicitly attempting to influence grading; failing to abide by test-taking procedures. The MGA Withdrawal Form, is available online or in the Office of the Registrar. The entire Student Code of Conduct is included in Middle Georgia State's Student Handbook and is available online at https://www.mga.edu/student-conduct/

The penalty for academic misconduct is a grade of zero for the work involved and will be referred to the Dean of Students. Subsequent academic misconduct results in a failing grade for the course.

PLAGIARISM POLICY

A plagiarism prevention service is used in evaluation of written work submitted for this course. As directed   by the instructor, students are expected to submit or have their assignments submitted through the service in order to meet requirements for this course. The papers will be retained by the service for the sole purpose of checking for plagiarized content in future student submissions.

POLICY ON DISABILITY/ACCESSIBILITY ACCOMMODATIONS

Students seeking ADA accommodations must contact Middle Georgia State University Office of Accessibility Services in Macon at (478) 471-2985 or in Cochran at (478) 934-3023. https://www.mga.edu/accessibility-services/

DELAYED OPENING OR CLOSING OF THE UNIVERSITY

If class is unable to occur for an opening or closing of the university, go to the online webpage of the course for additional instructions. If there are no additional instructions provided on the course homepage news section, then just plan to meet at the normal next regularly scheduled meeting for the course.

ONLINE COURSE EXPECTATIONS

1. Students must immediately review the tentative course schedule (included as part of the syllabus) for the schedule of discussion activities, assignments, projects, and/or examinations.

2. Students are required to have access to a computer and the Internet.

3. All course materials (i.e. course syllabus, course content, the assignments and the schedule of activities, etc.) are posted in Brightspace D2L course/class web site.

4. Official institutional email (MGA or D2L) is used only for communication between the instructor and students. The instructor will endeavor to reply to your email queries within 12 hours and no more than 24 hours of their receipt, excluding weekends and holidays or during semester breaks. Private email accounts must not be used to communicate between the instructor and students.

5. Students must attend class if they are to be well prepared for the workplace. Online courses are no different from on-campus classroom courses in this regard. Therefore, online students are subject to the college's attendance policy. Please see the "Attendance Policy" in the college's catalog. For online classes, participation must be defined in a different manner. Student attendance in online courses is defined as active participation in the course as described in the course syllabus.

6. Online courses will, at a minimum, have weekly mechanisms for student participation, which can be documented using any or all the following methods: a graded discussion activity that is integral to student engagement and learning; a graded assignment/project/examination.

Your instructor will begin grading all assessments after the deadline and make the results available to you within one week after the due date for the assessment.

ONLINE DISCUSSIONS AND POSTINGS
Expectations for Achieving Responsible Online Discourse

One value we must share is respect for individuals - their experience and their ideas or social positions. We also share a genuine desire to learn from one another. In order to demonstrate these shared values, you are encouraged to consider how your tone, word choice, and content may affect other readers. Some ways people achieve responsible public electronic discourse include

a) calling each other by name on the screen,
b) using smiley faces =) to clarify meaning if a writer's tone might be ambiguous,
c) clarifying with someone courteously before "flaming" back a quick response, and
d) refraining from publishing or forwarding any questionable jokes or strong language that could offend various readers.

Guidelines for Online Discussions

Not only respond to your instructor's questions, but carry on a dialogue with your classmates as well. This is a discussion, not just a question and answer session, and is one of the items that make a good online course and establishes community. If you only respond to your instructor's question it makes the discussion more of an "exam" rather than a dialogue.

Do not get caught up in "winning" the debate. We are here to learn the material, have fun, and to discuss matters of importance with others.

Read all postings from your classmates, not just those from the instructor. Sometimes future questions are based on the insights of your classmates.

When you reply to a post, don't just say "I agree". Give the person or person's name you are agreeing with and be sure to put the reply in the right thread. Also include a brief sentence or two summarizing what they said that you are agreeing with and then your views. You might also consider changing the subject line to reflect your posts. Make it easy 4for us to figure out who you are talking to and what you are talking about.

If you express an opinion, support it with material from our readings or other sources if applicable. When you quote, summarize, or paraphrase from the text, be sure to give the page number(s) -- This is important! **Count on checking the class website for assignments or discussions at least twice or more per week.**

HB 280 CAMPUS CARRY LEGISLATION

https://www.mga.edu/police/campus-carry.php

END OF COURSE EVALUATIONS
Student evaluations of faculty are administered online at the end of each term/session for all courses with five or more students. Students will receive an email containing a unique link to a survey for each course in which they are enrolled. All responses are anonymous, and completion of evaluations are voluntary.

Students are responsible for reading, understanding, and adhering to all Middle Georgia State University student policies, including those linked on the Syllabus Policy page.

ACADEMIC MINDSET BELIEFS

The course activities/assignments in this course concerning the Academic Mindset shall contribute to your growth, self-efficacy, the relevancy of academic experience, and a sense of belonging. Throughout this course, growth mindset will be strengthened through activities/assignments by constant engagement. The following growth mindsets belief statements are the bedrock of this course and shall be acclaimed into mind by each student:

- I can strengthen my abilities through effort.
- The work in this course has value and purpose for me.
- I embrace new challenges.
- I will succeed if I put effort into my work.
- I will learn from success and failure to continue to improve.
- My effort and attitude are important to my future.

SECTION 5 - INSTRUCTOR-SPECIFIC POLICIES

- Never hesitate to contact me via email. If I cannot answer your questions or concerns via email, we will set up a phone call or video session.
- Please turn your work in on time. Assignments submitted past the deadline are subject to a two-point per day penalty. Meeting deadlines helps you.
- Please ensure that all work you submit meets graduate level standards. Check grammar, spelling and formatting very closely.
- Connectivity is one of the keys to success in graduate school. Get to know your classmates, your instructor, and your university.

SECTION 6 – TENTATIVE COURSE SCHEDULE AND OUTLINE

The schedule below contains class activities, assignments, and deadliness. Note that the course schedule is "tentative" and subject to change based on student and/or pedagogical needs. All changes will be announced and post on the course web-site.

Note: Focus areas are representative and may vary over time.

Date	Readings	Activities	Due Date
Week 1: Oct. 05-11	Li, M., Porter, A. L., & Suominen, A. (2018). Insights into relationships between disruptive technology / innovation and emerging technology: A bibliometric perspective. *Technological Forecasting and Social Change*, *129*, 285-296.	Complete Assignment 1.	October 11
Week 2: Oct. 12-18	*The Disruption Mindset: Why Some Organizations Transform While Others Fail*	Complete Assignment 2.	October 18
Week 3: Oct 19-25	Frizzo-Barker, J., Chow-White, P. A., Adams, P. R., Mentanko, J., Ha, D., & Green, S. (2020). Blockchain as a disruptive technology for business: A systematic review. *International Journal of Information Management*, *51*, 102029. Brummer, C. (2015). Disruptive technology and securities regulation. *Fordham L. Rev.*, *84*, 977. Bhuvana, R., Madhushree, L. M., & Aithal, P. S. (2020). Blockchain as a Disruptive Technology in Healthcare and Financial Services-A Review based Analysis on Current Implementations. *International Journal of Applied Engineering and Management Letters (IJAEML)*, *4*(1), 142-155.	Complete Assignment 3.	October 25
Week 4: Oct. 26-Nov. 01	Scott, B. (2018). How a zero-trust approach can help to secure your AWS environment. *Network Security*, *2018*(3), 5-8. *The Disruption Mindset: Why Some Organizations Transform While Others Fail*	Complete Assignment 4.	November 01

Week 5: Nov. 02-08	Kostoff, R. N., Boylan, R., & Simons, G. R. (2004). Disruptive technology roadmaps. *Technological Forecasting and Social Change*, *71*(1-2), 141-159. Wessel, M., & Christensen, C. M. (2012). Surviving disruption. *Harvard Business Review*, *90*(12), 56-64. Curtis, S. K., & Mont, O. (2020). Sharing economy business models for sustainability. *Journal of Cleaner Production*, *266*, 121519. Sutherland, W., & Jarrahi, M. H. (2018). The sharing economy and digital platforms: A review and research agenda. *International Journal of Information Management*, *43*, 328-341. *The Disruption Mindset: Why Some Organizations Transform While Others Fail*	Complete Assignment 5.	November 08
Week 6: Nov. 09-15	Bhimani, H., Mention, A. L., & Barlatier, P. J. (2019). Social media and innovation: A systematic literature review and future research directions. *Technological Forecasting and Social Change*, *144*, 251-269. Muninger, M. I., Hammedi, W., & Mahr, D. (2019). The value of social media for innovation: A capability perspective. *Journal of Business Research*, *95*, 116-127.	Complete Assignment 6.	November 15
Week 7: Nov. 16-29 Holiday Nov. 20-26	*The Disruption Mindset: Why Some Organizations Transform While Others Fail* Assink, M. (2006). Inhibitors of disruptive innovation capability: a conceptual model. *European Journal of Innovation Management, 9*(2), 215-233.	Complete Assignment 7.	November 29
LDC: Nov. 30	***No submission is allowed after the last day of class***		November 30