

Outcomes-Based Education (OBE) Course Design/Syllabus in CIS 215 IS Innovations and New Technologies

Date Revised/Enhanced: July 21, 2021

Course Description: CMO #25 Series 2015

This course explores the use of technologies as an essential component in addressing business problems and capturing business opportunities. By examining new and promising information technologies, Information Systems students are given the opportunity to develop a deeper, better understanding of technologies (and science behind them), how they work, what they can and what they cannot do. Understanding the nature of the technology, including the costs/benefits and externalities, will also put the student in a position to critique and even develop business strategy and crafting competitive advantage proposals that would have the intent of leveraging technologies for maximizing profit, reducing costs, enhancing product and service delivery, and improving customer satisfaction. In this course students will evaluate the impact and consequences of technology in the financial, managerial, and organizational aspects of the corporate environment. CMO No. 25, Series 2015

Course Outcome:

At the end of the semester, you are expected to:

- 1: Explained the role of state-of-the-art digital technology on changing society
- 2: Explained and evaluated emerging technologies, such as advanced broadband, nanotechnology, visualization, internet of things, mobile communications, data mining, analytics, social media, robotics, wearables, and online education
- 3: Explained and appraised the importance of ethical and socio-cultural impacts and geographical inequalities of the digital revolution

Course Design Matrix:

DESIRED LEARNING OUTCOMES (DLO)	COURSE CONTENT/ SUBJECT MATTER	TEXTBOOKS/ REFERENCES	OUTCOMES-BASED TEACHING & LEARNING (OBTL)		ASSESSMENT OF LEARNING OUTCOMES (ALO)		RESOURCE MATERIAL	TIME TABLE
			Face to Face	Remote	Face to Face	Remote		
<p>At end of the unit, the students must have:</p> <ol style="list-style-type: none"> 1. Internalized and demonstrated the vision, mission, core values of the University and the institutional, 	<p>Unit 0: <i>Vision, Mission, Core Values, and Outcomes</i></p> <ol style="list-style-type: none"> 1. The University’s Vision, Mission, Core Values, and Outcomes 2. The College of Information and 	<p>2013 University Code</p> <p>2011 WVSU Student Handbook</p> <p>Bulletin of Information</p>	<p>Class Discussion</p> <p>Video Presentation</p>	<p>Video Presentation</p>			<p>Video IDs,</p> <p>Activity Sheets</p>	<p>1 week</p>

college/campus, degree and course outcomes	Communications Technology Outcomes 3. The BS in Information Technology Degree Outcomes 4. The Course/ Subject Outcomes 5. Course Policies (expectations, outputs, deadlines, rubrics, consultation hours, etc). This is appended to the syllabus.							
At the end of the unit, the student must have: 1. Understood the concept of digital transformation 2. Explained the correlation between technology and innovation 3. Understood the role and impact of digital transformation in the organizations 4. Explained the key role of a Chief Inspector Officer in managing digital transformation integration in a company	Unit 1: Digital Transformation 1. What is Digital Transformation? 2. Technology and Innovation 3. Role and Impact to Organizations 4. Role of Chief Inspector Officer	Palgrave, Macmillan, 2019, Digital Business Models: Driving Transformation and Innovation, 1 st Edition, Springer Schallmo, Williams, 2018, Digital Transformation		Online Lecture-Discussion Multimedia Presentation Modules Online Consultations		Online Discussion/Polls Reflection Paper Case Analysis	Laptop/ Computer/ Tablets for students Learning Resource Mgt (Google Classroom) Hand-outs PowerPoint Presentation Research Articles	1 week

		Now!, 1 st Edition, Springer Ustundag, Cevikcan, 2018, Industry 4.0: Managing The Digital Transformation, Springer		Independent Learning Resource Links Readings Case Study			Activity Sheets	
<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Understood the concept of automation and robotics 2. Identified the current state of automation and robotics 3. Perceived the pros and cons in using automation and robotics 4. Generalized the impact of integrating automation and robotics in the industry 	<p>Unit 2: Automation and Robotics</p> <ol style="list-style-type: none"> 1. What is Automation and Robotics? 2. Current state of Automation and Robotics 3. Pros and Cons of Automation and Robotics 4. The impact of Automation and Robotics in business industry 	<p>Kudila, Ben-Tzvi, 2020, Dynamics and Control of Robotic Systems, 1st Edition, Wiley</p> <p>West, D.M, 2018, The Future of Work: Robots, AI, and Automation, 1st Edition, Brookings Institution Press</p> <p>Gupta, Arora, Westcott, 2016,</p>		<p>Video Lecture Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p>		<p>Online Discussion/ Polls</p> <p>Group Work</p> <p>Journal Article Review</p> <p>Case Analysis</p>	<p>Laptop/ Computer/ Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Hand-outs</p> <p>PowerPoint Presentation</p> <p>Research Articles</p> <p>Activity Sheets</p>	2 weeks

		<p>Industrial Automation and Robotics: An Introduction, 1st Mercury Learning and Information</p> <p>Mullakara, Asokan, 2020, Robotic Process Automation Projects: Build real-world RPA solutions using UiPath and Automation Anywhere, 1st Edition, Packt Publishing</p>		<p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>				
<p>At the end of the unit, the student must have:</p> <p>1. Identified the current state of artificial intelligence</p>	<p>Unit 3: Artificial Intelligence</p> <p>1. What is Artificial Intelligence?</p>	<p>Porter, Heppelmann, 2019, On AI, Analytics, and the New Machine</p>		<p>Online Lecture-Discussion</p>		<p>Online Discussion</p>	<p>Laptop/Computer/Tablets for students</p> <p>Learning Resource Mgt</p>	<p>3 weeks</p>

<p>2. Explained the concept of artificial intelligence 3. Perceived the pros and cons of artificial intelligence 4. Comprehend the usage of some software and tools that used artificial intelligence 5. Practiced and learned artificial intelligence simulation</p>	<p>2. Current state of Artificial Intelligence 3. Pros and Cons of Artificial Intelligence 4. Artificial Intelligence software, tools and online simulation</p>	<p>Age, 1st Edition, Harvard Business Review Press Brockman, 2019, Possible Minds: 25 Ways of looking at AI, 1st Edition, Penguin Press Canals, Heukamp, 2020, The Future of Management in an AI world: Redefining Purpose and Strategy in the Fourth Industrial Revolution, 1st Edition, Palgrave Macmillan Gentsch, 2018, AI Marketing, Sales and Service: How Marketers without</p>		<p>Multimedia Presentation Modules Online Consultations Independent Learning Resource Links Readings Case Study</p>		<p>Small group discussion Workshop Activities Group Work Online Survey Initial Idea Presentation</p>	<p>(Google Classroom) Google Meet/Zoom Hand-outs Powerpoint Presentation Research Articles Activity Sheets Rubrics</p>	
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		a Data Science Degree can use AI, Big Data and Bots, 1 st Edition, Palgrave Macmillan						
<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Explained the concept of spatial big data 2. Enumerated the characteristics of big data 3. Discussed the current state of spatial big data 4. Evaluated the pros and cons of spatial big data 	<p>Unit 4: Spatial Big Data</p> <ol style="list-style-type: none"> 1. What is Spatial Big Data? 2. Characteristics of Big Data 3. Current state of Spatial Big Data 4. Pros and Cons of Spatial Big Data 	<p>Yamagata, 2019, Spatial Analysis Using Big Data: Methods and Urban Applications, 1st Edition, Academia Press</p> <p>Ivan, Singelton, Horak, Inspektor, 2017, The Rise of Big Spatial Data, 1st Edition, Springer</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p>		<p>Online Discussion</p> <p>Small group discussion</p> <p>Workshop Activities</p> <p>MVP/Mock-up Presentation</p>	<p>Laptop/Computer/Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Google Meet/Zoom</p> <p>Hand-outs</p> <p>Powerpoint Presentation</p>	2 weeks

		<p>Bahga, Madiseti, 2019, Big Data Analytics: A Hands-On Approach, 1st Edition, Arshdeep Bahga and Vijay Madiseti</p> <p>Patnaik, 2020, New Paradigm Of Industry 4.0: Internet Of Things, Big Data And Cyber Physical Systems, 1st Edition, Springer</p>		<p>Resource Links</p> <p>Readings</p> <p>Case Study</p>			<p>Research Articles</p> <p>Activity Sheets</p> <p>Rubrics</p>	
<p>At the end of the unit, the student must have:</p> <p>1. Explained the meaning of Internet of Things</p> <p>2. Understood current state of Internet of Things</p>	<p>Unit 5: Internet of Things</p> <p>1. What is Internet of Things?</p> <p>2. Current State of Internet of Things</p> <p>3. Impact of Internet of Things to the industry</p>	<p>Serpanos, Wolf, 2018, Internet-of-Things (IoT) Systems: Architectures, Algorithms, Methodologies, 1st Edition, Springer</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p>		<p>Online Discussion/ Polls</p>	<p>Laptop/ Computer/ Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p>	1 week

<p>3. Explained the importance of Internet of Things toward the industry</p> <p>4. Evaluated the pros and cons of Internet of Things</p>	<p>4. Pros and Cons of Internet of Things</p>	<p>Anuradha, Tripathy, 2018, Internet of Things (IoT): Technologies, Applications, Challenges and Solutions, 1st Edition, CRC, Press; Taylor and Francis</p> <p>Gilchrist, 2016, Industry 4.0: The Industrial Internet of Things, 1st Edition, Apress</p>		<p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Cases Analysis</p>	<p>Hand-outs</p> <p>Powerpoint Presentation</p> <p>Research Articles</p> <p>Activity Sheets</p>	
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		Cirani, Ferrari, Picone, Veltri, 2018, Internet of Things: Architectures, Protocols and Standards, Wiley						
<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Explained thoroughly the difference between augmented reality and virtual reality 2. Defined augmented reality and virtual reality 3. Discussed the current state of augmented reality and virtual reality 4. Evaluated the pros and cons of augmented reality and virtual reality 	<p>Unit 6: Augmented Reality and Virtual Reality</p> <ol style="list-style-type: none"> 1. What is Augmented Reality and Virtual Reality? 2. Usage of Augmented Reality and Virtual Reality 3. Current State of Augmented Reality and Virtual Reality 4. Pros and Cons of Augmented Reality and Virtual Reality 	<p>Pangilinan, Lukas, Mohan, 2019, Creating Augmented and Virtual Realities: Theory and Practice for Next-Generation Spatial Computing, 1st Edition, O'Reilly Media</p> <p>Arnaldi, Guitton, Moreau, 2018, Virtual Reality and Augmented Reality: Myths</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p>		<p>Online Discussion/ Polls</p> <p>Cases Analysis</p>	<p>Laptop/ Computer/ Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Hand-outs</p> <p>Powerpoint Presentation</p> <p>Research Articles</p> <p>Activity Sheets</p>	1 week

and Realities, 1st
Edition, Wiley-
ISTE

Le, Van, Nhung,
Gia, Tromp, G,
2018, Emerging
Technologies for
Health and
Medicine: Virtual
Reality,
Augmented
Reality, Artificial
Intelligence,
Internet of
Things, Robotics,
Industry 4.0, 1st
Edition, John
Wiley & Sons ;
Salem

Dieck, Jung,
2019, Augmented

Readings

Case Study

		Reality and Virtual Reality: The Power of AR and VR for Business, 1 st Edition, Springer						
<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Defined Self-Driving Cars 2. Discussed the current state of Self-Driving Cars 3. Explained the importance of Self-Driving Cars to the industry 4. Evaluated the pros and cons of Self-Driving Cars 	<p>Unit 7: Self-Driving Cars</p> <ol style="list-style-type: none"> 1. What is Self-Driving Car? 2. Current state of Self-Driving Cars 3. Impact of Self-Driving Cars to the society 4. Pros and Cons of Self-Driving Cars 	<p>Neff, 2018, The Laser that's Changing the World: The Amazing Stories behind Lidar, from 3D Mapping to Self-Driving Cars, 1st Edition, Prometheus Books</p> <p>Eliot, 2020, AI Self-Driving Cars Divulgement: Practical Advances in Artificial Intelligence and Machine Learning, 1st</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p>		<p>Online Discussion/ Polls</p> <p>Cases Analysis</p>	<p>Laptop/ Computer/ Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Hand-outs</p> <p>Powerpoint Presentation</p> <p>Research Articles</p> <p>Activity Sheets</p>	1 week

		Edition, LBE Press Publishing		Case Study				
At the end of the examination, the students must have achieved 75% from the Midterm Examination	Topics from Unit 1 to Unit 7	References from Unit 1 to unit 7	Conduct of Midterm Examination	Conduct of Online Assessment	Test paper	Case Analysis	Midterm Exam Online Assessment Case Analysis Laptop/Computer	2 hrs
At the end of the unit, the student must have: 1. Defined Drones 2. Discussed the current state of Drones 3. Explained the importance of Drones in the industry 4. Evaluated the pros and cons of Drones	Unit 8: Drones (Unmanned Aerial Vehicles) 1. What is a Drone? 2. Current state of Drones. 3. Usage and impact of Drones in the industry 4. Pros and Cons of Drones	White, 2018, The Drones Book, 1 st Edition, Imagine Publishing Ltd Saad, Bennis, Mozaffari, Lin, 2020, Wireless Communications and Networking for Unmanned Aerial Vehicles, 1 st		Online Lecture-Discussion Multimedia Presentation Modules		Online Discussion/Polls Cases Analysis	Laptop/Computer/Tablets for students Learning Resource Mgt (Google Classroom) Hand-outs Powerpoint Presentation	1 week

		<p>Edition, Cambridge University Press</p> <p>Um, 2019, Drones as Cyber-Physical Systems: Concepts and Applications for the Fourth Industrial Revolution, 1st Edition, Springer</p> <p>Galar, Kumar, Seneviratne, 2020, Robots, Drones, UAVs and UGVs for Operation and Maintenance, 1st Edition, CRC Press LLC</p>		<p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>			<p>Research Articles</p> <p>Activity Sheets</p>	
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<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Defined Sharing Economy 2. Discussed the current state of Sharing Economy 3. Explained the impact of Sharing Economy to the industry 4. Evaluated the pros and cons of Sharing Economy 	<p>Unit 9: Sharing Economy</p> <ol style="list-style-type: none"> 1. What is Sharing Economy? 2. Current state of Sharing Economy 3. Impact of Sharing Economy to the industry 4. Pros and Cons of Sharing Economy 	<p>Corrales, Compagnucci, Forgo, Kono, Teramoto, Vermeulen, 2020, Legal Tech and the New Sharing Economy, 1st Edition, Springer</p> <p>Saito, 2020, Sharing Ecosystem Services: Building More Sustainable and Resilient Society, 1st Edition, Springer</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Online Discussion/Polls</p> <p>Readings</p> <p>Group Work</p>	<p>Laptop/Computer/Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Hand-outs</p> <p>Powerpoint Presentation</p> <p>Activity Sheets</p>	1 week

Albinsson, Perera,
2018, The Rise of
the Sharing
Economy:
Exploring the
challenges and
opportunities of
collaborative
consumption, 1st
Edition, Praeger

Crisostomi,
Ghaddar, Hausler,
Sawaya, Russo,
2020, Analytics
for the Sharing
Economy:
Mathematics,
Engineering and
Business
PEerspective, 1st
Edition, Springer

<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Defined Blockchain 2. Discussed the current state of Blockchain 3. Explained the impact of Blockchain to the industry 4. Pros and Cons of Blockchain 	<p>Unit 10: Blockchain</p> <ol style="list-style-type: none"> 1. What is Blockchain? 2. Current state of Blockchain 3. Impact of Blockchain to the industry 4. Pros and Cons of Blockchain 	<p>Righi, Alberti, Singh, 2020, Blockchain Technology For Industry 4.0: Secure, Decentralized, Distributed and Trusted Industry Environment, 1st Edition, Springer</p> <p>Laurence, 2020, Blockchain for Dummies, 1st Edition, Wiley</p> <p>Hacioglu, 2020, Digital Business Strategies in Blockchain Ecosystems: Transformational Design and Future of Global Business, 1st Edition, Springer</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Online Discussion/ Polls</p> <p>Readings</p> <p>Reflection Paper</p>	<p>Laptop/ Computer/ Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Hand-outs Powerpoint Presentation</p> <p>Research Articles</p> <p>Activity Sheets</p>	<p>1 week</p>
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		Quest, 2018, Cryptocurrency Master: Everything you need to know about Cryptocurrency and Bitcoin Trading, Mining, Investing, Ethereum, ICOs, and the Blockchain, 1 st Edition, CreateSpace Independent Publishing Platform						
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<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Defined Wearables 2. Discussed the current state of Wearables 3. Explained the impact of Wearables to the industry 4. Pros and Cons of Wearables 	<p>Unit 11. Wearables</p> <ol style="list-style-type: none"> 1. What is Wearables? 2. Current state of Wearables 3. Impact of Wearables to the industry 4. Pros and Cons of Wearables 	<p>Pedersen, Iliadis, 2020, Embodied Computing: Wearables, Implantables, Embeddables, Ingestibles, 1st Edition, The MIT Press</p> <p>Ferguson, Walker, Rosen, Jacob, 2020, Wearables Robotics: Systems and Applications, 1st Edition, Academic Press</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Workshop Activities</p> <p>Group Work</p> <p>Group Presentation</p>	<p>Laptop/Computer/Tables for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Google Meet/Zoom</p> <p>Powerpoint Presentation</p> <p>Activity Sheets Rubrics</p>	<p>2 weeks</p>
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Yilmaz, Nazire D,
2019, Smart
Textiles:
Wearable
Nanotechnology,
1st Edition, Wiley

Fortino, Gravina,
Galzarano, 2018,
Wearable
Computing: From
Modeling to
Implementation
of Wearable
Systems based on
Body Sensor
Networks, 1st
Edition, Wiley-
IEEE Press

<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Defined Analytics and Social Media 2. Discussed the current state of Analytics and Social Media 3. Explained the impact of Analytics and Social Media to the industry 4. Pros and Cons of Analytics and Social Media 	<p>Unit 12. Analytics and Social Media</p> <ol style="list-style-type: none"> 1. What is Analytics and Social Media? 2. Current state of Analytics and Social Media 3. Impact of Analytics and Social Media to the industry 4. Pros and Cons of Analytics and Social Media 	<p>Meiselwitz, 2018, Social Computing and Social Media. Technologies and Analytics, 1st Edition, Springer International Publishing</p> <p>Szabo, Polatkan, Boykin, Chalkiopoulos, 2018, Social Media Data Mining and Analytics, 1st Edition, Wiley</p> <p>Chatterjee, Krystyanczuk, 2017, Python Social Media Analytics: Analyze and Visualize data from Twitter, YouTube, GitHub, and more, 1st</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Workshop Activities</p> <p>Group Work</p> <p>Group Presentation</p>	<p>Laptop/Computer/Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Google Meet/Zoom</p> <p>Powerpoint Presentation</p> <p>Activity Sheets Rubrics</p>	<p>2 weeks</p>
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		Edition, Packt Publishing						
<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Defined Cloud and Mobile Environments 2. Discussed the current state of Cloud and Mobile Environments 3. Explained the impact of Cloud and Mobile Environments to the industry 4. Pros and Cons of Cloud and Mobile Environments 	<p>Unit 13. Emerging Cloud and Mobile Environments</p> <ol style="list-style-type: none"> 1. What is Cloud and Mobile Environments? 2. Current state of Cloud and Mobile Environments 3. Impact of Cloud and Mobile Environments to the industry 4. Pros and Cons of Cloud and Mobile Environments 	<p>Kumar, Vidhyalakshmi, 2018, Realibility Aspect of Cloud Computing Environment, 1st Edition, Springer Singapore</p> <p>Kale, 2018, Creating Smart Enterprises: Leveraging Cloud, Big Data, Web, Social Media, Mobile and IoT Technologies, 1st Edition, Auerbach Publications; CRC Press</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Workshop Activities</p> <p>Group Work</p> <p>Group Presentation</p>	<p>Laptop/Computer/Tables for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Google Meet/Zoom</p> <p>Powerpoint Presentation</p> <p>Activity Sheets Rubrics</p>	2 weeks

Koul, Ganju,
Kasam, 2019,
Practical Deep
Learning for
Cloud, Mobile,
and Edge: Real-
World AI and
Computer-Vision
Projects using, 1st
Edition, Springer

NG, 2018,
Machine Learning
Projects for
Mobile
Applications, 1st
Edition, Packt
Publishing

<p>At the end of the unit, the student must have:</p> <ol style="list-style-type: none"> 1. Described the Data-Information-Knowledge-Wisdom (DIKW) Model 2. Discussed the relationship between DIKW and ICT 3. Described the Balance Scorecard and its Framework 4. Developed an innovation project 	<p>Unit 14. Alignment of Business Strategy and Innovation Strategy</p> <ol style="list-style-type: none"> 1. What is Data-Information-Knowledge-Wisdom (DIKW) Model? 2. What is Balanced Scorecard 3. Balanced Scorecard Framework 4. Application of Business Strategy and Innovation Strategy 	<p>Queensenberry, 2018, Social Media Strategy: Marketing, Advertising, and Public Relations in the Consumer Revolution, 1st Edition, Rowman and Littlefield Publishers</p> <p>Birudavolu, Nag, 2019, Business Innovations and ICT Stategies, 1st Edition, Springer</p> <p>Piijl, Lokitz, Solomon, Pluijm, Lieshout, 2016, Design a Better Business: New Tools, Skills, and Mindset for Strategy and</p>		<p>Online Lecture-Discussion</p> <p>Multimedia Presentation</p> <p>Modules</p> <p>Online Consultations</p> <p>Independent Learning</p> <p>Resource Links</p> <p>Readings</p> <p>Case Study</p>		<p>Workshop Activities</p> <p>Group Work</p> <p>Group Presentation</p>	<p>Laptop/Computer/Tablets for students</p> <p>Learning Resource Mgt (Google Classroom)</p> <p>Google Meet/Zoom</p> <p>Powerpoint Presentation</p> <p>Activity Sheets Rubrics</p>	<p>2 weeks</p>
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		Innovation, 1 st Edition, Wiley Kingsnorth, 2016, Digital Marketing Strategy: An Integrated Approach to Online Marketing, 1 st Edition, Kogan Page						
At the end of the examination, the students must have achieved 75% from the Final Examination	Topics from Unit 8 to Unit 14	References from Unit 8 to unit 14	Conduct of Midterm Examination	Conduct of Online Assessment	Test paper	Case Analysis	Midterm Exam Online Assessment Case Analysis Laptop/Computer	2 hrs

Criteria for Grading

I. LECTURE (100%)	
Components	Percentage
Major Exam (Alternative Assessments: Presentation/Business Plan) (Midterm/Final)	40%
Quizzes/Long Test /Unit Tests (Alternative Assessment: Activities/Reflection Papers/Case Studies)	30%
Supplementary Outputs	10%
Class Participation	20%
Total	100%

Midterm

1/3

Final

2/3

Prepared and Designed by: **PROF. LESTER L. DELA CRUZ**

Course Facilitator

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