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IV. LEARNING PLAN

<table>
<tr><td colspan="8" align="center">COURSE COVERAGE – FIRST GRADING</td></tr>
<tr>
<td>WEEK NO</td>
<td>COURSE LEARNING OUTCOMES</td>
<td>COURSE CONTENT</td>
<td>DURATION (Hours)</td>
<td>TEACHING-LEARNING ACTIVITIES (TLA)</td>
<td>ASSESSMENT TASKS (AT)</td>
<td>RESOURCES</td>
<td>PRC TOS</td>
</tr>
<tr><td colspan="8">Module 1</td></tr>
<tr>
<td rowspan="2">1</td>
<td rowspan="2">CLO1. Identify major areas where technologies can be applied and their implications for organizational change.

CLO2. Recognize current and emerging technologies and their potential to impact social conditions, the economy, and daily life.

CLO3. Conduct and present reviews on current literature on the selection, implementation, and evaluation of new and emerging technologies</td>
<td rowspan="2">The Industrial Evolution</td>
<td>3</td>
<td colspan="3" align="center">Asynchronous (Module)</td>
<td rowspan="2">Not Applicable</td>
</tr>
<tr>
<td></td>
<td>
• Independent reading
• Consultation

Synchronous (Online/Remote)
• Online Lecture-discussion

Offline (Module Only)
• Independent self-paced learning

Face-to-Face
• Classroom discussion
</td>
<td>
• Self-check

• Online Quiz
• Case study
• Recitation
• Individual/Group Research
• Discussion board Q and A

• Self-check
• Recitation
• Individual Research

• Quiz
• Case study
• Recitation
• Individual/Group Research and presentation
</td>
<td>
• E-Module
• Pre-recorded lesson
• Youtube:
  ✓ https://www.youtube.com/watch?v=xLhNP0qp38Q

• Google Meet, Zoom, Discord, MS Teams, etc.
• Jamboard, Whiteboard, etc.
• Discussion board

• Printed module

• E-Module/Printed module
• Lesson handout/presentation
• Youtube: https://www.youtube.com/watch?v=xLhNP0qp38Q
</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td colspan="3" align="center">Asynchronous (Blended)</td>
</tr>
</table>

		1.5	• Independent reading • Consultation	• Self-check • Essay/Reaction paper • Individual/Group Research	• E-Module • Consultation forms • Pre-recorded lesson • Youtube: ✓ https://www.youtube.com/watch?v=4lKOmlEnpd8
	Role of Data in Emerging Technologies Overview: Emerging Technology Trends in this Decade		**Synchronous (Online/Remote)**
			Online Lecture-discussion	• Online Quiz • Case study • Recitation • Individual/Group Research presentation	• Google Meet, Zoom, Discord, MS Teams, etc. • Jamboard, Whiteboard, etc. • Presentation
			Offline (Module)
			Independent self-paced learning	• Self-check • Recitation • Individual Research	• Printed module
		1.5	**Face-to-face**
			Classroom discussion	• Quiz • Case study • Recitation • Individual Research	• E-Module/Printed module • Lesson handout/presentation • Youtube: ✓ https://www.youtube.com/watch?v=4lKOmlEnpd8 ✓ https://www.youtube.com/watch?v=vPk-H7Cu9Lo ✓ https://www.youtube.com/watch?v=x1jrAQK2fVQ
3			**Asynchronous (Module)**
	Artificial Intelligence	3	• Independent learning • Consultation	• Self-check • Essay/Reaction paper • Individual/Group Research	• Videos: ✓ https://www.youtube.com/watch?v=YKxBNVg1aGc ✓ https://www.youtube.com/watch?v=wTbrk0suwbg ✓ https://www.youtube.com/watch?v=TeWZqwKJD-M
4	Internet of Things (IoT)	3	**Synchronous (Online/Remote)**

and their impacts as well as implications for social ethics and the global workplace.

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				• Online Lecture-discussion	• Online Quiz • Case study • Recitation • Individual/Group Research presentation		
				Offline (Module)			
				Independent self-paced learning	• Self-check • Recitation • Individual Research	Printed module	
5				**Face-to-face**			
6	FIRST GRADING EXAMINATIONS			**Asynchronous (Module)/ Synchronous (Online/Remote)**	Online Exam • LMS: Google forms/Canvas Quiz		
				Offline (Module Only)	Online Exam • LMS: Google forms/Canvas Quiz		
				Face-to-Face	• Pen and paper exam (Classroom) • Online (Lab-> if available)		
		Subtotal	18 hours				

COURSE COVERAGE – MIDTERMS							
WEEK NO	COURSE LEARNING OUTCOMES	COURSE CONTENT	DURATION (HRS)	TEACHING-LEARNING ACTIVITIES (TLA)	ASSESSMENT TASKS (AT)	RESOURCES	PRC TOS
Module 2							
7			6	**Asynchronous (Module)**			

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8	**CLO1**. Identify major areas where technologies can be applied and their implications for organizational change.	Blockchain Technology		• Independent learning • Consultation	• Self-check • Essay/Reaction paper • Individual/Group Research	Videos (Block chain) ✓ https://www.youtube.com/watch?v=yubzJw0uiE4 ✓ https://www.youtube.com/watch?v=SSo_EIwHSd4 Videos (Cloud computing) ✓ https://www.youtube.com/watch?v=M988_fsOSWo	Not Applicable
9	**CLO2**. Recognize current and emerging technologies and their potential to impact social conditions, the economy, and daily life. **CLO3**. Conduct and present reviews on current literature on the selection, implementation, and evaluation of new and emerging technologies and their impacts as well as implications for social ethics and the global workplace.	Cloud and Quantum Computing	9	**Synchronous (Online/Remote)**		
				Online Lecture-discussion	• Online Quiz • Case study • Recitation Individual/Group Research presentation	
				Offline (Module)		
10				Independent self-paced learning	• Self-check • Recitation • Individual Research	Printed module
				Face-to-face		
11				Classroom discussion	• Quiz • Case study • Recitation • Individual Research	• E-Module/Printed module • Lesson handout/presentation Videos (Block chain) ✓ https://www.youtube.com/watch?v=yubzJw0uiE4 ✓ https://www.youtube.com/watch?v=SSo_EIwHSd4 Videos (Cloud) https://www.youtube.com/watch?v=M988_fsOSWo
12	Midterm Examination	2 hours	**Asynchronous (Module)/ Synchronous (Online/Remote)**	Online Exam • LMS: Google forms/Canvas Quiz	
				Offline (Module Only)	Online Exam • LMS: Google forms/Canvas Quiz	

| | | Subtotal | | **Face-to-Face** | • Pen and paper exam (Classroom)
• Online (Lab-> if available) | |

COURSE COVERAGE – FINALS						
WEEK NO	COURSE LEARNING OUTCOMES	COURSE CONTENT	DURATION (HRS)	TEACHING-LEARNING ACTIVITIES (TLA)	ASSESSMENT TASKS (AT)	RESOURCES	PRC TOS
Module 2						
	CLO1. Identify major areas where technologies can be applied and their implications for organizational change.			*Asynchronous (Module)*		
7		Biotechnology	3	• Independent learning • Consultation	• Self-check • Essay/Reaction paper • Individual/Group Research	Videos (Biotechnology) ✓ https://www.youtube.com/watch?v=yubzJw0uiE4 ✓ https://www.youtube.com/watch?v=SSo_EIwHSd4	
8	**CLO2**. Recognize current and emerging technologies and their potential to impact social conditions, the economy, and daily life.	Autonomic Computing	3			Videos (Autonomic Computing) ✓ https://www.youtube.com/watch?v=M988_fsOSWo	Not Applicable
				Synchronous (Online/Remote)		
9		Additivie Manufacturing	3	Online Lecture-discussion	• Online Quiz • Case study • Recitation Individual/Group Research presentation		
	CLO3. Conduct and present reviews on current literature on the selection,			*Offline (Module)*		
				Independent self-paced learning	• Self-check • Recitation • Individual Research	Printed module	

			Face-to-face		
10	implementation, and evaluation of new and emerging technologies and their impacts as well as implications for social ethics and the global workplace.		Classroom discussion	• Quiz • Case study • Recitation • Individual Research	• E-Module/Printed module • Lesson handout/presentation Videos (Autonomic Computing) ✓ https://www.youtube.com/watch?v=yubzJw0uiE4 ✓ https://www.youtube.com/watch?v=SSo_EIwHSd4 Videos (Autonomic Computing) ✓ https://www.youtube.com/watch?v=M988_fsOSWo
11		Certifications	6		
12	FINAL Examination		2 hours	**Asynchronous (Module)/ Synchronous (Online/Remote)**	Online Exam • LMS: Google forms/Canvas Quiz
				Offline (Module Only)	Online Exam • LMS: Google forms/Canvas Quiz
		Subtotal		**Face-to-Face**	• Pen and paper exam (Classroom) • Online (Lab-> if available)

IV. REFERENCES

Available in the library:

Other references of the teacher (not in the library):

V. ABOUT THE TEACHER/COURSE

Instructor's Information	(to be given during the class orientation)	
Instructor's consultation time	(to be given during the class orientation)	These should be included in the Online classroom / Learning Materials
Classroom policies and instructions	(to be given during the class orientation)	These should be included in the Online classroom / Learning Materials
Grading system	(to be given during the class orientation; refer to Student Handbook)	
Major requirement/s	**this is/are the requirement/s that is/are to be submitted towards the end of the term hence, should be given during the first week of classes, or those that are to be submitted every grading period; include the deadline for each major requirement.**	