



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

### COURSE DETAILS

Course Code:	<b>GEC 1</b>	Instructor:	
Course Title:	<b>Understanding the Self</b>	Consultation Hours:	
Credit Units:	<b>3</b>	Contact Details:	
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

### INSTITUTIONAL LEARNING OUTCOMES

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

### DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES

CAS Vision	CAS Mission	CAS Core Values
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

### PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)

		Graduate Attributes				
		1	2	3	4	5
Creativity	PE01. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PE02. develop citizens to be God-fearing <b>individuals</b> ; and,			/	/	/
Social Consciousness	PE03. shape <b>citizens</b> who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

PROGRAM INTENDED LEARNING OUTCOMES	GENERAL EDUCATION OUTCOMES	PHILIPPINE PRESS INSTITUTE
<p>1. Apply innovative problem-solving techniques in <b>defining and accessing information needs; assessing and organizing information and knowledge; producing, sharing, and utilizing information and knowledge</b> to embrace change effectively. (ILO1; PEO3; GEO-PS 3.4; GEO-IC 1.5)</p> <p>2. Demonstrate a strong commitment to <b>communicate in different formats and platforms (print, broadcast, and online)</b> to address complex issues and creating positive societal impacts. (ILO2; PEO3; GEO-IC 1.2; GEO-PCR 2.6)</p> <p>3. Exhibit effective communication skills in <b>preparing communication/media plan</b> that prioritize integrity, transparency, and accountability in teamwork. (ILO3; PEO2; GEO-IC 1.2; GEO-PS 3.1)</p> <p>4. Apply holistic approach in <b>conducting communication and media research and evaluation</b> to develop data-driven solutions with a significant community impact. (ILO 4; PEO1; GEO-IC 1.4; GEO-IC 1.5)</p>	<p><b>1. Intellectual competencies (IC)</b></p> <p>1.1 Higher levels of comprehension (textual, visual, etc.)</p> <p>1.2 Proficient and effective communication (writing, speaking, and use of new technologies)</p> <p>1.3 Understanding of basic concepts across the domains of knowledge</p> <p>1.4 Critical, analytical, and creative thinking</p> <p>1.5 Application of different analytical modes (quantitative and qualitative, artistic and scientific, textual and visual, experimental, observation, etc.) in tackling problems methodically</p> <p><b>2. Personal and civic responsibilities (PCR)</b></p> <p>2.1 Appreciation of the human condition</p> <p>2.2 Capacity to personally interpret the human experience</p> <p>2.3 Ability to view the contemporary world from both Philippine and global perspectives</p> <p>2.4 Self-assuredness in knowing and being Filipino</p>	<ol style="list-style-type: none"> <li>Report and interpret the news, taking care not to suppress essential facts nor to distort the truth by omission or improper emphasis, and recognize the duty to air the other side and the duty to correct substantive errors promptly.</li> <li>Not violate confidential information on material given me in the exercise of my calling.</li> <li>Resort only to fair and honest methods in my effort to obtain news, photographs and/or documents, and shall properly identify myself as a representative of the press when obtaining any personal interview intended for publication.</li> <li>Refrain from writing reports which will adversely affect a private reputation unless the public interests justify it. At the same time, I shall write vigorously for public access to information, as provided for in the constitution.</li> <li>Not let personal motives or interests influence me in the performance of my duties; nor shall I accept or offer any present, gift or other consideration of a nature which may cast doubt on my professional integrity.</li> </ol>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

5. **Develop and produce communication materials in different formats and** platforms to collaborate with stakeholders in addressing local needs and create positive change. (ILO5; PEO1; GEO-IC 1.1; GEO-PCR 2.9)

6. **Demonstrate communication management and leadership skills** to develop data-driven solutions with a significant community impact. (ILO2; PEO1; GEO- PS 3.3)

7. Collaborate with stakeholders and **develop entrepreneurial capabilities** to address local needs. (ILO5; PEO3; GEO-PS 3.1)

8. **Adhere to ethical standards and practices** in addressing complex issues. (ILO2; PEO3; GEO-IC 1.5)

9. Exhibit effective communication skills **to know and practice rights, responsibilities, and accountabilities in the communication profession.** (ILO3; PEO1; GEO-IC 1.2; GEO PCR 2.5)

10. **Demonstrate development orientation in communication work** to develop data-driven solutions with a significant community impact. (ILO2; PEO1; PEO3; GEO-IC 1.2)

11. Demonstrate a strong commitment in the **application of communication theories/models, principles, practices, and tools in development work** to address complex issues and to create positive societal impacts. (ILO2; PEO3; GEO-PS 3.5; GEO-PCR 2.9)

2.5 Capacity to reflect critically on shared concerns and think of innovative, creative solutions guided by ethical standards

2.6 Ability to reflect on moral norms/imperatives as they affect individuals and society

2.7 Ability to appreciate and contribute to artistic beauty

2.8 Understanding and respect for human rights

2.9 Ability to contribute personally and meaningfully to the country's development.

**3. Practical skills (PS)**

3.1 Working effectively in a group

3.2 Application of computing and information technology to assist and facilitate research

3.3 Ability to negotiate the world of technology responsibly

3.4 Problem-solving (including real-world problems)

3.5 Basic work-related skills and knowledge

6. Not commit any act of plagiarism.

7. Not in any manner ridicule, cast aspersions on or degrade any person by reason of sex, creed, religious belief, political conviction, cultural and ethnic origin.

8. Presume persons accused of crime of being innocent until proven otherwise. I shall exercise caution in publishing names of minors, and women involved in criminal cases so that they may not unjustly lose their standing in society.

9. Not take unfair advantage of a fellow journalist.

10. Accept only such tasks as are compatible with the integrity and dignity of my profession, invoking the "conscience clause" when duties imposed on me conflict with the voice of my conscience.

11. Comport myself in public or while performing my duties as journalist in such manner as to maintain the dignity of my profession. When in doubt, decency should be my watchword.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

--	--	--

### COURSE DESCRIPTION

This course deals with the nature of identity, as well as the factors and forces that affect the development and maintenance of personal identity. This course is intended to facilitate the exploration of the issues and concerns regarding self and identity to arrive at a better understanding of one's self. It stresses the integration of the personal with the academic making for better learning, generating a new appreciation for the learning process, and developing a more critical and reflective attitude while enabling them to manage and improve their selves to attain a better quality of life.

*With CHED compliance on CMO 1 & 2 s.2019 (refer to general outcome, CO 2 & 3, and pages 5, & 8)*

COURSE OUTCOMES	MAPPED PILO	MAPPED GENERAL EDUCATION OUTCOMES	MAPPED PHILIPPINE PRESS INSTITUTE
<b>CILO1:</b> Examine the different influences, factors and forces that shape the self (The Self from Various Perspectives); specifically on the lives of the Filipino people, their culture and society.	PILO1, 4	GEO-IC 1.4	<b>PP1, PP3</b>
<b>CILO2:</b> Describe how the self has been represented across different disciplines (sociological, psychological, economic, philosophical, political, digital, anthropological, historical, etc.)	PILO 1, 9	GEO-2PCR 2.6	<b>PP1</b>
<b>CILO3:</b> Managing and caring for the self.	PILO 1, 9	GEO-2PCR 2.2	<b>PP3</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

Time Frame	Learning Competencies	CO Mapping			Learning Content	Teaching and Learning Activities	Assessment Tasks	Values Integration
		3: Substantially Addressed 2: Moderately Addressed 1: Slightly Addressed						
		CO1	CO2	CO3				
1	<b>GTKY</b>  <b>Orientation on Mission, Vision, Core Values, Graduate Attributes</b>  <b>RISE Agenda</b>							
2-3	A. Describe how the self has been represented across different disciplines (sociological, psychological, economic, philosophical, political, digital, anthropological, historical, etc.)	CILO 1			<b>The Self from Various Perspectives</b> <b>a. Philosophy</b> <ul style="list-style-type: none"> <li>Socrates, Plato and Augustine to Descartes, Locke, Hume, Kant, Freud, Ryle, Churchland and Merleau-Ponty</li> </ul>	Facilitated structured discussions on philosophical theories  Group discussions on how each philosopher's view	Pre-test  Oral Recitation: Compare and Contrast the Philosophical Views of the Self using Venn	Self-Awareness Respect for Diversity Empathy Critical Thinking



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

	a. Discuss the different representations and conceptualizations of the self from various disciplinal perspectives					applies to the Filipino context  Small group discussion/processin g centering on similarities/ differences of self-representations and conceptualizations and the various identified influences	Diagram  Activity 1: Reflection paper on philosophical influences on the Filipino self	
4	Differentiate how the self has been represented across different disciplines and perspectives	CILO 1			b. Sociology <ul style="list-style-type: none"> <li>• The self as a product of modern society among other constructions</li> <li>• Mead and the social self</li> </ul>	Facilitated structured discussions  Small group discussion/processin g centering on similarities/ differences of self-representations and conceptualizations and the various identified influences	Activity: Reflection paper that man is a political animal.	Self-Awareness Cultural sensitivity Empathy Critical Thinking



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

						Role-playing activities to illustrate Mead's theory		
5	<b>PRELIM EXAMINATION</b>							
6-7	Differentiate how the self has been represented across different disciplines and perspectives	CILO 1			c. Anthropology <ul style="list-style-type: none"> <li>• The self and person in contemporary anthropology</li> <li>• The self-embedded in culture</li> <li>• The self and the Indigenous People's Culture</li> </ul>	Facilitated structured discussions  Small group discussion/processing centering on similarities/differences of self-representations and conceptualizations and the various identified influences	Activity: Create an infographic showing the timeline of human evolution.	Self-Awareness Cultural sensitivity Empathy Critical Thinking
8		CILO 1			d. Psychology <ul style="list-style-type: none"> <li>• The self as a Cognitive Construction:</li> <li>• William James and the Me- Self-I- Self</li> <li>• Global vs. Differentiated</li> <li>• Real and ideal self-concepts</li> <li>• Multiple vs. Unified Selves</li> <li>• True vs False Selves</li> </ul>	Facilitated structured discussions  Small group discussion/processing centering on identity mapping	Identity Mapping: Create visual maps or diagrams that represent aspects that represent different aspects of one's identity. This can help individuals	Self-Awareness Cultural sensitivity Empathy Critical Thinking



Academic Year:

Semester/Term

Revision Date:

Page

					• The Self as Proactive and Agentic		visualize the complexity of their self-concept	
9		CILO 1			e. The Self in Western and Oriental/Eastern Thought • Individualistic vs Collective Self • The Social Construction of the Self in Western thought • The Self as embedded in relationships and through spiritual development in Confucian thought	Facilitated structured discussions  Small group discussion/processing comparative analysis through debates  Reading assignments on Western and Eastern philosophies	Comparative Analysis: Facilitate a comparative analysis of the Western and Oriental perspectives on the self through a graphic organizer e.g. Grid Matrix	Self-Awareness Cultural sensitivity Empathy Critical Thinking
10	<b>MIDTERM EXAMINATION</b>							
11	a. Explore the different aspects of self and identity  b. Demonstrate critical, reflective thought in integrating the various aspects of self and identity  c. Identify the different forces and institutions that impact the development of various aspects of self and identify	CILO 2			<b>Unpacking The Self</b> a. The Physical Self: The self as impacted by the body • The impact of culture on body image and self-esteem: The importance of beauty  b. Sexual Self • Development of Secondary sex	Facilitated structured discussions  Rosenberg Self Esteem Scale  Self-exploration Activity	Wright Paper: How do you feel about your Self Esteem Scale result?  Individual  Presentation: My Physical Self; (which	Self-awareness Critical Thinking Social Responsibility and Justice Self-Respect and Humility



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

	<p>d. Examine one's self against the different aspects of self-discussed in class</p>			<p>characteristics and human reproductive system</p> <ul style="list-style-type: none"> <li>• Discussing the erogenous zones</li> <li>• The basic biology of sexual behavior</li> <li>• Understanding the Human Sexual Responses</li> <li>• The Basic Biology of Sexual behaviors</li> <li>• Understanding the Chemistry of lust, love and attachment</li> <li>• The Psychological aspect: What turns people on the phases of sexual response</li> <li>• The diversity of sexual behavior solitary, heterosexual, homosexual and bisexual, transsexual</li> <li>• Sexually transmitted diseases (STD's)</li> <li>• Method of Contraception (Natural and artificial)</li> </ul>		<p>part of your body do you like the most? If given a chance, which part of your body do you like to change?)</p> <p>recall and analyze your own sexual development. Based on your own assessment, at what age are you now?</p> <p>Quiz</p> <p>insight on the importance of understanding the human</p>	
--	---	--	--	--	--	---	--



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	
Semester/Term :	
Revision Date:	
Page	

							xual response terview yone in nily or friends rcle about the pic, and make a flection uided) eative Work: opose a ogram in hool or mmunity that will ise the awareness the students and help eliminate xually ansmitted seases and wanted	
--	--	--	--	--	--	--	--	--



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

							egnancy. (By oup)	
							orksheet/ mmative Test	
12		CILO 2		<p>c. The Material/ Economic Self</p> <ul style="list-style-type: none"> <li>• I shop; therefore, I am?</li> <li>• Shaping the way, we see ourselves: The role of consumer culture on our sense of self and identity</li> </ul> <p>d. The Spiritual Self: The Practice of religion: belief in supernatural being and power</p> <ul style="list-style-type: none"> <li>• The concept of “Dungan” spirit or soul</li> <li>• Rituals and ceremonies</li> <li>• The function of rituals</li> <li>• Rituals and ceremonies</li> <li>• Religion, Magic and Witchcraft</li> <li>• Finding and creating</li> </ul>	<p>Facilitated structured discussions</p> <p>Library research</p> <p>Small group discussion/processin g</p> <p>Group Presentation</p> <p>Film Analysis</p>	<p>Position Paper: A very wealthy person gave you a debit card and told you to use it as much as you want to make yourself happy. What are you going to do with it? Make a list of what you want to have. Write as many as you want.</p>	<p>Self-awareness</p> <p>Critical Thinking</p> <p>Social Responsibility and Justice</p> <p>Self-Respect and Humility</p>	



					meaning • Surfing Peace from Within • The three ways of recovering meaning in life			
13-14		CILO 2			e. The Political Self • Developing a Filipino Identity: Values, Traits, Community and Institutional factors • Establishing a democratic culture  f. The Digital Self: self and other cyberspace • I, me, myself and my user ID online identity • Selective self-presentation and impression management • Impact of online interactions on the self • Boundaries self-online: private vs public: personal/in individual vs social identity online; gender and sexuality online	Facilitated structured discussions  Library research  Small group discussion/processing  Group Presentation  Film Analysis	Collaborative Work (consolidated insight paper): surrounding the following guide questions: 1. Discuss how being a Filipino affects your "self". 2. How can becoming a better Filipino influence your duty to: a) becoming a better version of yourself and b) participate in nation building?	Self-awareness Critical Thinking Social Responsibility and Justice Self-Respect and Humility



Academic Year:

Semester/Term

Revision Date:

Page

15	<p>a. Demonstrate the theoretical underpinnings for how to manage and care for different aspects of the self</p> <p>b. Acquire and hone new skills and learnings for better managing of one's self and behaviors</p> <p>c. Apply these new skills to ones's self and functioning for a better quality of life</p>	CILO 3			<p><b>Managing and Caring for the Self</b></p> <p>a. Learning to be a better student</p> <ul style="list-style-type: none"> <li>• What happens during learning? Brain and behavior changes</li> <li>• Metacognition and study strategies</li> <li>• Managing your own learning: Self regulated learning</li> </ul>	<p>Facilitated structured discussions</p> <p>Film viewing (how brain works), Right and Left-Brain Dominance Test,</p> <p>Open Discussion of dominance test result</p> <p>Group Sharing: list of study strategies</p>	<p>Healthy Habits Challenge:</p> <p>Challenge students to adopt and track healthy habits for a week, such as drinking enough water, getting enough sleep, or taking regular breaks from screens</p>	<p>Self-awareness Continuous Improvement Practicality</p>
16-17		CILO 3			<p>b. Setting goals for Success</p> <ul style="list-style-type: none"> <li>• The importance of goals</li> <li>• Bandura's Self efficacy, Dweck's Mindset (growth vs fixed)</li> <li>• Locke's goal setting theory</li> </ul> <p>c. Taking care of one's health</p> <ul style="list-style-type: none"> <li>• Stressors and responses</li> <li>• Sources of coping and strength</li> <li>• Stress and Filipinos: The social and cultural dimensions of stress</li> <li>• Taking care of the self: The need for self-care and compassion</li> </ul>	<p>Facilitated structured discussions</p> <p>Student's developing Individual Plan for their learning strategies</p> <p>Complete Goal Setting Plan</p>	<p>Vision Board Activity:</p> <p>Create vision boards using images and words cut out from magazines or printed from the internet and visually represent their short-term and long-term goals and the steps needed to achieve them</p>	<p>Self-awareness Continuous Improvement Practicality</p>



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term  
:

Revision Date:

Page



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term  
:

Revision Date:

Page

### Suggested Reading and References (APA 7<sup>th</sup> Edition Format)

Required Worktext: Otig, Vergie S, et.al. "Understanding the Self". Malabon City: Mutya Publishing House, Inc, 2022.

Other References:

Magalona, E., Sadsad, E. & Cruz, E. (2023). Understanding the Self: developing life skills. Mindshapers Co., INC. .

Luna, A. (2022). Understanding the Self . Unlimited Books Library Services and Publishing Inc.

Libed, G. (2021). Understanding self : outcome-based worktext for the new tertiary education program. C & E Publishing, Inc.

Molina, M. (2022). Understanding the Self. C & E Publishing, Inc.

Palean, E., Dumag Nazario, M., Valero Jagonia, J., and Descartin, I. K (2024). Understanding The Self: New Normal edition. Books Atbp. Publishing Corp.

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
1.0	A+	100-95%	Excellent
1.1 - 1.5	A	94-90%	Superior
1.6 - 2.0	B+	89-85%	Very Good



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term  
 :

Revision Date:

Page

<b>2.1 - 2.5</b>	B	84-80%	Good
<b>2.6 - 2.9</b>	B-	79-76%	Fair
<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn
<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	
Semester/Term :	
Revision Date:	
Page	

## COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term  
 :

Revision Date:

Page

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	OBE Framework
b. Version Number (optional)	4
c. Revision Dates	January 2024, June 2024, July 2024, August 2024
d. Prepared by	Ms. Candice May Gamayon
e. Reviewed by	Mr. Mark P. Janubas, Program Head for General Education/ Dr. Kurt S. Candilas, Dean, College of Arts and Sciences
f. Approved by	Dr. Liza A. Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academic Affairs

***Proof of Dissemination:***

\_\_\_\_\_  
 Name of Student and Signature

**Prepared by:**

**Mr. Mark P. Janubas**  
 Instructor

Received by:	Reviewed by:	Recommended by:	Approved by:
<b><u>MARK P. JANUBAS, MAEd</u></b>	<b><u>KURT S. CANDILAS, Ph.D.</u></b>	<b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	<b><u>MA. AIRA CHENESSA B. AGUILAR, Ed.D.</u></b>
<b>Program Head for General Education</b>	<b>Dean for College of Arts and Sciences</b>	<b>Dean for Curriculum and Instruction</b>	<b>Vice President for Academics</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>1</b>

### COURSE DETAILS

Course Code:	GE ENVI SCI ELEC 1	Instructor:	Dr. Liza Chua
Course Title:	ENVIRONMENTAL SCIENCE	Consultation Hours:	Monday to Friday 8-10 AM
Credit Units:	<b>3</b>	Contact Details:	
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

### CITY COLLEGE OF CAGAYAN DE ORO VISION, MISSION AND CORE VALUES

#### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

#### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

#### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission-Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

#### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

#### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>2</b>

<b>INSTITUTIONAL LEARNING OUTCOMES</b>							
Graduate Attributes/Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values					
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation					
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission- Drivenness					
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty					
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity					
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability					
<b>DEPARTMENTAL VISION, MISSION AND CORE VALUES</b>							
COE Vision	COE Mission	COE Core Values					
Elevating the standards of technical and professional teacher education by nurturing passionate, skilled, critical thinkers, and socially conscious educators who transform lives and communities."	Committed to excellence in technical and professional teacher education, empowering educators to cultivate a skilled workforce, drive innovation, that leverages cutting edge technology, that help build a more sustainable community and the world.	Committed Transformational Leadership Empowered Educator					
<b>PROGRAM OUTCOMES</b>		<b>GRADUATE ATTRIBUTES</b>					
Upon completion of the program the graduates will be able to:		<table border="1" style="width: 100%; text-align: center;"> <tr> <td><b>1</b></td> <td><b>2</b></td> <td><b>3</b></td> <td><b>4</b></td> <td><b>5</b></td> </tr> </table>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>			
<b>PROGRAM EDUCATIONAL OBJECTIVES (A few years after completion, the BSNEd graduates will be able to:)</b>							



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>3</b>

1. Provide respectful and meaningful learning experiences and collaborative opportunities for students with additional needs and their families. <b>(ILO 1; PEO 3)</b>	PEO 1 Become effectual, competitive Special Education specialist	<table border="1"> <tr> <td>/</td> <td></td> <td></td> <td>/</td> <td>/</td> </tr> </table>	/			/	/
/			/	/			
2. Respond effectively to educational needs of students with additional needs <b>(ILO 2; PEO 2)</b>	PEO 2 Develop further theoretical, technical and research competence in the teaching field	<table border="1"> <tr> <td></td> <td>/</td> <td></td> <td>/</td> <td>/</td> </tr> </table>		/		/	/
	/		/	/			
3. Create safe, inclusive, culturally responsive learning environments for students with additional needs <b>(ILO 3,4; PEO 1)</b>  4. Use knowledge of general and specialized curricula to individualized learning for students with additional needs <b>(ILO 1,2; PEO 1)</b>  5. Use multiple methods of assessment and multiple data-sources to make sound educational decisions for students with additional needs <b>(ILO 1,2; PEO 2)</b>	PEO 3 Practice ethical standards and highest level of professional and social responsibilities.	<table border="1"> <tr> <td></td> <td>/</td> <td>/</td> <td>/</td> <td>/</td> </tr> </table>		/	/	/	/
	/	/	/	/			
6. Use evidenced-based instructional strategies to maximize learning opportunities for students with	PEO 2 Develop further theoretical, technical and research competence in the teaching field	<table border="1"> <tr> <td>/</td> <td></td> <td></td> <td>/</td> <td>/</td> </tr> </table>	/			/	/
/			/	/			



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>4</b>

additional needs <b>(ILO 1,4; PEO 2)</b>  7. Demonstrate reflective thinking and professional self-direction <b>(ILO 3; PEO 3)</b>	PEO 3 Practice ethical standards and highest level of professional and social responsibilities.	<table border="1" style="width: 100%;"> <tr> <td style="width: 25%; text-align: center;">/</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center;">/</td> </tr> </table>	/			/
/			/			

CHED PROGRAM OUTCOMES	PHILIPPINE PROFESSIONAL STANDARD FOR TEACHER (PPST) BEGINNING TEACHER INDICATORS (BTIs)	GENERAL EDUCATION OUTCOMES
1. Provide respectful and meaningful learning experiences and collaborative opportunities for students with additional needs and their families. <b>(ILO 1; PEO 3)</b>	<b>Domain 1, Content Knowledge and Pedagogy, is composed of seven strands:</b> 1.1 Content knowledge and its application within and across curriculum areas 1.2. Research-based knowledge and principles of teaching and learning 1.3. Positive use of ICT 1.4. Strategies for promoting literacy and numeracy	<b>Intellectual competencies (IC)</b> 1.5 Application of different analytical modes (quantitative and qualitative, artistic and scientific, textual and visual, experimental, observation, etc.) in tackling problems methodically  <b>2. Personal and civic responsibilities (PCR)</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>5</b>

<p>2. Respond effectively to educational needs of students with additional needs <b>(ILO 2; PEO 2)</b></p> <p>3. Create safe, inclusive, culturally responsive learning environments for students with additional needs <b>(ILO 3,4; PEO 1)</b></p> <p>4. Use knowledge of general and specialized curricula to individualized learning for students with additional needs <b>(ILO 1,2; PEO 1)</b></p>	<p>1.5. Strategies for developing critical and creative thinking, as well as other higher-order thinking skills</p> <p>1.6. Mother Tongue, Filipino and English in teaching and learning</p> <p>1.7. Classroom communication strategies</p> <p><b>Domain 2, Learning Environment, consists of six strands:</b></p> <p>2.1. Learner safety and security</p> <p>2.2. Fair learning environment</p> <p>2.3. Management of classroom structure and activities</p> <p>2.4. Support for learner participation</p> <p>2.5. Promotion of purposive learning</p> <p>2.6. Management of learner behavior</p> <p><b>Domain 3, Diversity of Learners, consists of five strands:</b></p> <p>3.1. Learners' gender, needs, strengths, interests and experiences</p> <p>3.2. Learners' linguistic, cultural, socio-economic and religious backgrounds</p> <p>3.3. Learners with disabilities, giftedness and talents</p> <p>3.4. Learners in difficult circumstances</p> <p>3.5. Learners from indigenous groups</p> <p><b>Domain 4, Curriculum and Planning, includes five strands:</b></p>	<p>2.5 Capacity to reflect critically on shared concerns and think of innovative, creative solutions guided by ethical standards</p> <p>2.6 Ability to reflect on moral norms/imperatives as they affect individuals and society</p> <p>2.9 Ability to contribute personally and meaningfully to the country's development.</p> <p><b>3. Practical skills (PS)</b></p>
--	---	--



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>6</b>

	<p>           4.1. Planning and management of teaching and learning process            4.2. Learning outcomes aligned with learning competencies            4.3. Relevance and responsiveness of learning programs            4.4. Professional collaboration to enrich teaching practice            4.5. Teaching and learning resources including ICT         </p>	
<p>5. Use multiple methods of assessment and multiple data-sources to make sound educational decisions for students with additional needs <b>(ILO 1,2; PEO 2)</b></p>	<p> <b>Domain 5, Assessment and Reporting, is composed of five strands:</b>            5.1. Design, selection, organization and utilization of assessment strategies            5.2. Monitoring and evaluation of learner progress and achievement            5.3. Feedback to improve learning            5.4. Communication of learner needs, progress and achievement to key stakeholders            5.5. Use of assessment data to enhance teaching and learning practices and programs         </p>	



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>7</b>

<p>6. Use evidenced-based instructional strategies to maximize learning opportunities for students with additional needs <b>(ILO 1,4; PEO 2)</b></p>	<p><b>Domain 6, Community Linkages and Professional Engagement, consists of four strands:</b>          6.1. Establishment of learning environments that are responsive to community contexts          6.2. Engagement of parents and the wider school community in the educative process          6.3. Professional ethics          6.4. School policies and procedures</p>	<p>Foundations of the teaching-learning situations. 1.2. Apply foundation theories of special and inclusive education</p>
<p>7. Demonstrate reflective thinking and professional self-direction <b>(ILO 3; PEO 3)</b></p>	<p><b>Domain 7, Personal Growth and Professional Development, contains five strands:</b>          7.1. Philosophy of teaching          7.2. Dignity of teaching as a profession          7.3. Professional links with colleagues          7.4. Professional reflection and learning to improve practice          7.5. Professional development goals</p>	<p>Foundations of the teaching-learning process 1.1. Apply philosophical and sociological principles in teaching-learning situations. 1.2. Apply foundation theories of special and inclusive education</p>



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
Bachelor of Special Needs Education (BSNEd) - Generalist  
CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>8</b>

### **COURSE OVERVIEW**

A comprehensive study about the concepts, theories and nature of environmental science, with emphasis on human population, technological and economic advancement, political and ethics, worldviews and their significant impacts to the environment. The goal of the Environmental Science course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural worlds, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

### **CHED STANDARDS**

#### **COURSE INTENDED LEARNING OUTCOMES MAPPED WITH PPST (BTTIs), TESDA, and BLEPT COMPETENCIES**

CILO 1 Recognize and expound the principles of sustainability and understand the importance of balancing human needs with environmental protection.

CILO 2 Identify environmental problems, analyze their causes, and propose sustainable solutions.

CILO 3. Evaluate information, consider different perspectives, and make informed decisions about environmental issues.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>9</b>

## TEACHING AND LEARNING PLAN

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed CO 1, CO2, CO3, CO4, CO5	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
<b>Week 1</b>	<p><b>Knowledge:</b> Discuss the VMGO of City College, GAD, Peace Education, and RISE Agenda. (BTTI1.1.1;</p> <p><b>Skill/s:</b> Present a yell or poster slogan related to VMGO, GAD, Peace Education or RISE Agenda.(BTTI1.5.1)</p> <p><b>Attitude/Values:</b> Share their personal values on any of the topics discussed. (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>	<p style="text-align: center; color: red;">CO1</p> <p style="text-align: center; color: red;">2-Moderately addressed</p>	<p>Reflection</p> <p>Infographics</p> <p>Gamification</p>	<p>Class Dynamics</p> <p>Orientation</p> <p>Short Discussion</p>	<p><b>GTKY-Onboarding</b></p> <p><b>Orientation</b></p> <ul style="list-style-type: none"> <li>● Vision</li> <li>● Mission</li> <li>● Course overview</li> <li>● Grading system</li> <li>● Requirements</li> <li>● Gender Awareness and Development</li> </ul> <p>Peace education</p> <ul style="list-style-type: none"> <li>● RISE Agenda</li> </ul>	<p>PPTs</p> <p>Video presentation</p> <p>RISE Manual      Agenda</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>10</b>

<b>Week 2-3</b>	<p><b>Knowledge:</b> State and explain the goals of Environmental Science <b>(BTI 1.1.1)</b></p> <p><b>Skill/s:</b> Draw the structure of the planet earth <b>(BTI 1.1.1)</b></p> <p><b>Attitude/Values:</b> Recognize the importance of studying environmental science; <b>(Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</b></p>	<p><b>CO 1</b> <b>CO 2</b></p> <p><b>Substantially addressed</b></p>	<p>Written works</p> <p>Oral Recitation</p> <p>Performance tasks</p> <p>Rubrics</p>	<p>Interactive Discussion</p> <p>Group Learning</p> <p>Think-Pair-Share</p> <p>Lecture Method</p>	<p>Chapter I – Introduction to Environmental Science</p> <p>Goals and importance of Environmental Science</p> <p>Different field of sciences related to environmental science</p>	<p>PowerPoint</p>
-----------------	--	--	---	---	---	-------------------



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>11</b>

<p><b>Week 4-5</b></p>	<p><b>Knowledge:</b> Define ecosystem, species and environment (BTI 1.2.1)</p> <p><b>Skill/s:</b> create a miniature of an ecosystem; (BTI 1.2.1)</p> <p><b>Attitude/Values:</b> Share the threats to ecosystem; (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>		<p>Class discussion</p> <p>Power point presentation</p> <p>Assigned Reading Lecture Demo</p> <p>Situational Analysis</p> <p>Learning Partner</p> <p>Application</p> <p>Case Studies</p>		<p>The Planet Earth</p> <p>Ecosystem, species and Environment</p> <ul style="list-style-type: none"> <li>Types of Ecosystem</li> <li>Structure and Functions of the Different Biotic and Abiotic Structure</li> <li>Limiting Factors</li> </ul> <p>Energy laws</p> <ul style="list-style-type: none"> <li>Classifications of Biogeochemical cycles</li> <li>Threats to ecosystem</li> </ul> <p>Functions of ecosystem</p>	
<p><b>Week 6-7</b></p>	<p><b>Knowledge:</b> Expound the principles of sustainability; (BTI 1.1.1)</p> <p><b>Skills:</b> Create a chart on ecological succession; (BTI 1.1.1)</p> <p><b>Attitude/Values:</b> Share the causes and the problems of rapid population (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p> <p><b>Knowledge:</b> Describe and enumerate the functions of the atmosphere (BTI 1.1.1)</p>	<p><b>CO 2</b></p> <p><b>CO 3</b></p> <p><b>Substantially addressed</b></p>	<p>Written works</p> <p>Oral Recitation</p> <p>Performance tasks</p> <p>Rubrics</p>	<p>Interactive Discussion</p> <p>Video Presentation</p> <p>Talk Partners</p>	<p><b>Mid-Term</b></p> <p>4. Principles of sustainability</p> <ul style="list-style-type: none"> <li>Nature and characteristics of population</li> <li>Ecological Succession</li> <li>Human population growth</li> </ul>	<p>PowerPoint</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>12</b>

	<p><b>Skills:</b> Present a talk show on air pollution and its effects; (BTI 1.2.1)</p> <p><b>Attitude/Values:</b> Share the ozone and SST and its consequences (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>		<p>Written works</p> <p>Oral Recitation</p>	<p>Talk Show</p> <p>Buzz session</p>	<p>Causes and problems of rapid population</p> <p>Atmosphere and its layers</p> <ul style="list-style-type: none"> <li>• Functions of atmosphere</li> <li>• Constituents of atmosphere</li> <li>• Temperature inversion and photochemical smog</li> </ul> <p>Ozone and SST</p> <ul style="list-style-type: none"> <li>• Ozone layer and its consequence</li> </ul> <p>Air pollution: pollutants, sources effects</p>	
<b>Week 8-9</b>	<p><b>Knowledge:</b> Describe the lithosphere; (BTI 1.3.1)</p> <p><b>Skills:</b> Collect pictures of the different kinds of rocks; (BTI 3.4.1)</p> <p><b>Attitude/Values:</b> Share their personal values on any of the topics discussed. (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>	<b>CO 1</b>	<p>Written works</p> <p>Oral Recitation</p> <p>Performance tasks</p> <p>Rubrics</p>	<p>Creative Reporting</p> <p>Buzz groups and Dyads</p> <p>Simulation</p> <p>Group</p>	<p>Lithosphere: crust mantle</p> <ul style="list-style-type: none"> <li>• Rocks and its kind</li> <li>• Six common minerals</li> <li>• Soil system</li> <li>• Components of soil mixture</li> <li>• Effects of soil erosion</li> </ul> <p>Activities contributing to soil erosion</p>	<b>PowerPoint</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>13</b>

<p><b>Week 10-11</b></p>	<p><b>Knowledge:</b> Give the environmental impact of mining; (BTI 3.4.1)</p> <p><b>Skills:</b> Create a poster slogan on the problems in chemical fertilizers; (BTI 3.4.1)</p> <p><b>Attitude/Values:</b> Share the problems of the use of fertilizers; (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>				<p>Environmental Impact of mining</p> <ul style="list-style-type: none"> <li>• Social impact of mining</li> <li>• Chemical fertilization and its problems</li> <li>• Green revolution</li> <li>• Uses of pesticides</li> <li>• Major problems with the use of fertilizers</li> </ul> <p>Options to chemical insect control</p> <p>Hydrosphere and water pollution</p> <ul style="list-style-type: none"> <li>• Global ocean</li> <li>• World's water supply/ budget</li> <li>• Sources of fresh water</li> <li>• Human use of water</li> <li>• Nature of water pollution</li> </ul> <p>Effects of water pollution</p>	
<p><b>Learning Competencies</b></p>		<p><b>Course Outcomes</b></p>	<p><b>Assessment Tasks</b>  <b>PRELIM EXAMINATION</b></p>	<p><b>Teaching/Learning Activities</b></p>	<p><b>Learning Content</b></p>	<p><b>Resources/ Materials</b></p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>14</b>

<b>Week 12-14</b>	<p><b>Knowledge:</b> Discuss wastewater and sewage treatment; (BTI 2.1.1)</p> <p><b>Skill/s:</b> Illustrate the framework of CBRM; (BTTI1.5.1)</p> <p><b>Attitude/Values:</b> Share their personal values on any of the topics discussed. (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>	<p><b>CO 2</b></p> <p><b>Substantially addressed</b></p>	<p>Insight Paper</p> <p>Critiquing</p>	<p>Brains Trust</p> <p>Circular Response</p>	<p>9.Waste water and sewage treatment</p> <ul style="list-style-type: none"> <li>Major concerns of Phil. fisheries</li> <li>Implementation of various components in coastal areas</li> </ul>	<p>PowerPoint</p>
<b>Week 15-16</b>	<p><b>Knowledge:</b> Describe noise pollution; (BTI 2.1.1)</p> <p><b>Skill/s:</b> Give the effects of noise Identify the ways on how to control noise; (BTI 2.1.1)</p> <p><b>Attitude/Values:</b> Share their personal values on any of the topics discussed. (Core Values: Inclusivity, Humanity, Godliness, Excellence, Respect)</p>	<p><b>CO 1</b></p>	<p>Written works</p> <p>Oral Recitation</p> <p>Performance tasks</p> <p>Rubrics</p>	<p>Group Reporting Rubrics</p> <p>Video Presentation</p> <p>Talk Partners</p> <p>Buzz session</p>	<p><b>Finals</b></p> <p>10.Noise Pollution</p> <ul style="list-style-type: none"> <li>Ear/sound waves</li> <li>Pathways of sound</li> <li>Physical and psychological dimension of sound</li> <li>Decibel scale</li> <li>Effects of noise</li> <li>Noise control</li> </ul> <p>Pollutants in the internal environment</p> <ul style="list-style-type: none"> <li>Food additives and its effect</li> </ul> <p>Incidental food additives</p>	<p>PowerPoint</p>





REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>16</b>

Week 18	<b>Learning Competencies</b>	<b>Course Outcomes</b>	<b>Assessment Tasks. FINAL EXAMINATION</b>	<b>Teaching/Learning Activities</b>	<b>Learning Content</b>	<b>Resources/ Materials</b>
---------	------------------------------	------------------------	--	---	-------------------------	---------------------------------

<b>Suggested Reading and References (APA 7<sup>th</sup> Edition Format)</b>						
References:						
<ul style="list-style-type: none"> <li><a href="http://citycollegedco.edu.ph/LH_SNED">citycollegedco.edu.ph/LH SNED</a></li> </ul>						

**COURSE GRADE EQUIVALENT**

For purposes of transmutation, the course will use the following grade equivalent:

**Grading System**

**Point System.** The following shall be each grade's corresponding percentage equivalent and descriptive rating:

Grade Point Equivalence	% Equivalent	Description
-------------------------	--------------	-------------

**Grading System (Article 50, Academic Manual)**

Percentage	Grade Point Equivalence	Description
0	5.0	Failure



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>17</b>

60	3.0	Passing
70	2.75	Better than Passing
75	2.50	Less Satisfactory
80	2.25	Moderately Satisfactory
85	2.0	Satisfactory
89	1.75	Highly Satisfactory
92	1.50	Very Highly Satisfactory
95	1.25	Outstanding
98	1.0	Excellent

1.0: 98-100% - Excellent  
 1.25: 95-97% - Outstanding  
 1.5: 92-94% - Very Highly Satisfactory  
 1.75: 89-91% - Highly Satisfactory  
 2.0: 85-88% - Satisfactory  
 2.25: 80-84% - Moderately Satisfactory  
 2.5: 75-79% - Less Satisfactory  
 2.75: 70-74% - Better than Passing  
 3.0: 60-69% - Passing  
 5.0: Below 60% - Fail

Percentage	Description
0	Failure



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>18</b>

60	Passing
70	Better than Passing
75	Less Satisfactory
80	Moderately Satisfactory
85	Satisfactory
89	Highly Satisfactory
92	Very Highly Satisfactory
95	Outstanding
98	Excellent



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
Bachelor of Special Needs Education (BSNEd) - Generalist  
CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>19</b>

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
1. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
2. Any submissions made after the academic year deadline will not be accommodated.
3. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
4. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
5. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
6. Use the APA (American Psychological Association) format for citing sources and creating references.
7. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
8. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
9. Do not hesitate to contact your FIC in case of urgent concerns.
10. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>20</b>

### SYLLABUS REVISION HISTORY

a. Syllabus Adaptation	CQA-OBE format
b. Version Number (optional)	4
c. Revision Dates	January 2024, June 2024, July 2024, August 2024
d. Prepared by	
e. Reviewed by	
f. Approved by	Dr. Liza L. Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academic Affairs

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**Dr. Liza L. Chua**

**Instructor**



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF EDUCATION**  
 Bachelor of Special Needs Education (BSNEd) - Generalist  
 CHED Memo Order # 77 series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>May 27, 2025</b>
Page	<b>21</b>

<b>Received by:</b>  <u><b>LIZA L. CHUA, DevEdD; PhD</b></u>	<b>Reviewed by:</b>  <u><b>LIZA L. CHUA, DevEdD; PhD</b></u>	<b>Approved by:</b>  <u><b>KURT S. CANDILAS, PhD</b></u>
<b>Program Chair</b>	<b>Dean, College of Teacher Education</b>	<b>Vice President for Academic Affairs</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>1</b>

### COURSE DETAILS

Course Code:	<b>RSS</b>	Instructor:	<b>MA KATERINA F JANUBAS</b>
Course Title:	<b>Religion, Social Values, and Sustainability</b>	Consultation Hours:	6 HRS
Credit Units:	<b>3</b>	Contact Details:	
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

### CITY COLLEGE OF CAGAYAN DE ORO VISION, MISSION AND CORE VALUES

#### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

#### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

#### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

#### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

#### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>2</b>

**INSTITUTIONAL LEARNING OUTCOMES**

Graduate Attributes/Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission- Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

**DEPARTMENTAL VISION, MISSION AND CORE VALUES**

CBM Vision	CBM Mission	CBM Core Values
The College of Business and Management aims to produce globally competitive entrepreneurs and office professionals who drive innovation, ethical leadership, and sustainable economic growth through technology and industry collaboration by 2033.	We are committed to providing high-quality education that fosters an entrepreneurial mindset, leadership, and professional competence among entrepreneurs and office administrators through industry-relevant curricula, experiential learning, and community engagement. Our graduates will be equipped with critical thinking, technological proficiency, and ethical values to thrive in dynamic business environments.	Innovation Excellence Integrity Adaptability Lifelong Learning

PROGRAM OUTCOMES Upon completion of the program the graduates will be able to:	PROGRAM EDUCATIONAL OBJECTIVES (A few years after completion, the BS Entrepreneurship graduates will be able to:)	GRADUATE ATTRIBUTES				
		1	2	3	4	5
1. Demonstrate knowledge of the latest developments in entrepreneurship and business management, applying critical, analytical, and creative	PEO1. Drive enterprise growth by launching or expanding a business through strategic management and innovation.	/			/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>3</b>

<p>problem-solving skills to identify opportunities and drive results. (CMO18 s.2017, 6.1.a, 6.2.3, 6.3.2, 6.4.3, PE01, ILO1, ILO2)</p>								
<p>2. Communicate effectively in English and Filipino, both orally and in writing, while working independently and collaboratively in multi-disciplinary and multi-cultural teams. (CMO18 s.2017 6.1.b, 6.2.4, 6.2.6, 6.1.c, PE01, ILO3, ILO4)</p>	<p>PE02. Exhibit leadership and ethics by leading teams, implementing innovations, and upholding ethical business practices.</p>	<table border="1"> <tr> <td></td><td>/</td><td></td><td>/</td><td></td><td>/</td> </tr> </table>		/		/		/
	/		/		/			
<p>3. Perform key management functions— planning, organizing, staffing, directing, and controlling while applying core business concepts in marketing, finance, human resource management, operations, and strategic management. (CMO18s.2017 6.2.1, 6.2.2, 6.2.7, 6.3.6, PE01, PE02, ILO1, ILO2, ILO3)</p>	<p>PE03. Pursue lifelong learning by engaging in further education, training, or professional development to stay industry-ready.</p>	<table border="1"> <tr> <td></td><td>/</td><td>/</td><td>/</td><td>/</td><td>/</td> </tr> </table>		/	/	/	/	/
	/	/	/	/	/			
<p>4. Conduct self-assessment of entrepreneurial competencies, analyze business opportunities, prepare a business plan, and mobilize resources for venture implementation and growth. (CMO18 s.2017 6.3.1, 6.3.2, 6.3.3, 6.3.4, PE01, ILO1, ILO2)</p>		<table border="1"> <tr> <td>/</td><td>/</td><td></td><td></td><td></td><td></td> </tr> </table>	/	/				
/	/							



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>4</b>

<p>5. Exemplify professional, ethical, and social responsibility, practicing good governance and corporate citizenship while preserving and promoting Filipino historical and cultural heritage. (CMO18 s.2017 6.1.d, 6.2.9, 6.3.6, 6.2.8, 6.1.c, PEO2, ILO3, ILO5)</p>		<table border="1"> <tr> <td></td> <td></td> <td>/</td> <td></td> <td>/</td> </tr> </table>			/		/
		/		/			
<p>6. Utilize information and communication technology (ICT) in business operations, ensuring efficiency, innovation, and adaptability in a dynamic business environment. (CMO18 s.2017 6.2.5, 6.3.7, PEO1, PEO3, ILO1, ILO4)</p>		<table border="1"> <tr> <td>/</td> <td></td> <td></td> <td>/</td> <td></td> </tr> </table>	/			/	
/			/				
<p>7. Engage in continuous learning, research, and professional development, actively participating in employment, public discourse, and community service to contribute to national and global development. (CMO18 s.2017 6.4.1, 6.4.2, 6.4.3, PEO3, ILO4, ILO5)</p>		<table border="1"> <tr> <td></td> <td>/</td> <td></td> <td>/</td> <td>/</td> </tr> </table>		/		/	/
	/		/	/			



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>5</b>

PROGRAM OUTCOMES	GENERAL EDUCATION OUTCOMES	TESDA Competency Standards - Entrepreneurship PQF Level IV - CSDD QSO
<p><b>P05.</b> Exemplify professional, ethical, and social responsibility, practicing good governance and corporate citizenship while preserving and promoting Filipino historical and cultural heritage. (CM018 s.2017 6.1.d, 6.2.9, 6.3.6, 6.2.8, 6.1.c, PE02, ILO3, ILO5)</p> <p><b>P06.</b> Utilize information and communication technology (ICT) in business operations, ensuring efficiency, innovation, and adaptability in a dynamic business environment. (CM018 s.2017 6.2.5, 6.3.7, PE01, PE03, ILO1, ILO4)</p> <p><b>P07.</b> Engage in continuous learning, research, and professional development, actively participating in employment, public discourse, and community service to contribute to national and global development. (CM018 s.2017 6.4.1, 6.4.2, 6.4.3, PE03, ILO4, ILO5)</p>	<p><b>Intellectual Competencies</b>  <b>IC 1.</b> Higher levels of comprehension (textual, visual, etc.)  <b>IC 2.</b> Proficient and effective communication (writing, speaking, and use of new technologies)  <b>IC 5.</b> Application of different analytical modes (quantitative and qualitative, artistic and scientific, textual and visual experimental, observation, etc.) in tackling problems methodically</p> <p><b>Personal and Civic Responsibilities</b>  <b>PCR 3.</b> Ability to view the contemporary world from both Philippine and global perspectives  <b>PCR 6.</b> Ability to reflect on moral norms/imperatives as they affect individuals and society  <b>PCR 8.</b> Understanding and respect for human rights</p> <p><b>Practical Skills</b>  <b>PS 5.</b> Basic work-related skills and knowledge</p>	<p><b>BASIC COMPETENCIES</b>  <b>CODE 500311401:</b> Utilize specialized communication skills  <b>CODE 500311403:</b> Perform higher-order thinking processes and apply techniques in the workplace  <b>CODE 500311404:</b> Contribute to the practice of social justice in the workplace  <b>CODE 500311406:</b> Manage and evaluate usage of information</p> <p><b>COMMON COMPETENCIES</b>  <b>CS-SOC514203:</b> Apply quality standards  <b>CS-SOC522204:</b> Provide and build quality customer relations</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>6</b>

### COURSE OVERVIEW

This course explores the dynamic interplay between religious traditions, social values, and sustainable development. Through theological, ethical, and sociocultural lenses, students will examine how religious worldviews—both historical and contemporary—shape communal norms, moral imperatives, and environmental stewardship. Case studies will highlight diverse faith-based approaches to conservation, social justice, and resource management, emphasizing how concepts such as stewardship, compassion, and reciprocal responsibility inform sustainable practices. By analyzing major religious texts, rituals, and community initiatives alongside key social values (e.g., equity, solidarity, and intergenerational responsibility), learners will gain insight into the ways spiritual beliefs motivate collective action for ecological resilience and human flourishing. Ultimately, students will critically assess how religious and ethical frameworks can foster sustainable policymaking, community engagement, and personal transformation toward a more just and environmentally balanced world.

### CHED STANDARDS

#### COURSE INTENDED LEARNING OUTCOMES MAPPED WITH PROGRAM OUTCOMES, GENERAL EDUCATION OUTCOMES, and TESDA Competency Standards - Entrepreneurship PQF Level IV - CSDD QSO

**CILO 1:** Analyze how religious and social values have motivated sustainability movements and initiatives.

IC 1 (3), IC 2 (2), IC 5 (3)PCR 3 (3), PCR 6 (3), PCR 8 (2)PS 5 (1) 500311401, 500311403, 500311404, 500311406, CS-SOC514203, CS-SOC522204

**CILO 2:** Evaluate the strengths and limitations of integrating religious/spiritual and secular approaches to sustainability

IC 1 (2), IC 2 (2), IC 5 (2)PCR 3 (2), PCR 6 (3), PCR 8 (2)PS 5 (1), 500311401, 500311403, 500311404, 500311406, CS-SOC514203, CS-SOC522204

**CILO3:** Develop strategies for fostering sustainability through the lens of diverse religious and social value systems.

IC 1 (2), IC 2 (2), IC 5 (3)PCR 3 (3), PCR 6 (2), PCR 8 (2)PS 5 (2), 500311401, 500311403, 500311404, 500311406, CS-SOC514203, CS-SOC522204



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>7</b>

### TEACHING AND LEARNING PLAN

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
1	<b>GTKY</b>  <b>Orientation on Mission, Vision, Core Values, Graduate Attributes</b>  <b>RISE Agenda</b>					
2-3	Explain the basic definitions and key conceptual frameworks of sustainability by the end of this session.	<b>CILO 1: Slight</b> <b>CILO 2: Slight</b> <b>CILO 3: Slight</b>	Quiz on key concepts of Sustainability Development Goals  Analytical essay on how a certain SDG may be attained in one's community  Group presentation on an assigned SDG	Reading and Class Discussion on sustainability definitions and frameworks	RISE Agenda and the Sustainable Development Goals	<a href="#">UN Sustainable Development Goals (Tagalog)</a>  <a href="#">Red Alert - How to meet the Sustainable Development Goals together  </a>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>8</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
						<a href="#">SDG Moment   United Nations</a>  Combe, C. (2022). Introduction to Global Sustainable Management. Sage Publications
4	Analyze diverse religious and spiritual perspectives on the relationship between nature, humanity, and the divine.	<b>CILO 1: Substantial</b> <b>CILO 2: Moderate</b> <b>CILO 3: Slight</b>	Written reflection on the diverse religious and spiritual perspectives on the relationship between nature, humanity, and the divine	Comparative analysis of religious texts	Introduction to Religion, Spirituality, and Sustainability	<a href="#">SHS Introduction of World Religions and Belief Systems Q1 Ep 1: Understanding the Nature of Religion</a>  <a href="#">Defining</a>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>9</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
						<a href="#">Sustainability: Absolutely   Anjila Hjalsted   TEDxGoodenoughCollege</a> <a href="#">Are We the Last Generation — or the First Sustainable One?   Hannah Ritchie   TED</a>  <a href="#">Everybody can be a sustainability leader   Annick Schmeddes   TEDxGorinchem</a>
5	<b>PRELIM EXAM</b>					



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>10</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
6-7	<p>Compare and Contrast two (2) social values and their impact on environmental policies</p> <p>Design an awareness campaign or educational program to shift social values towards sustainability within a specific community or context.</p>	<p><b>CILO 1: Moderate</b>  <b>CILO 2: Moderate</b>  <b>CILO 3: Slight</b></p> <p><b>CILO 1: Moderate</b>  <b>CILO 2: Slight</b>  <b>CILO 3: Substantial</b></p>	<p>Critical analysis paper</p> <p>Group Reporting of an educational program</p>	<p>Workshop on campaign design</p> <p><b>Peace Education Integration</b></p>	<p>Social Values and Sustainability</p>	<p>Lawless, B. &amp; Chen, Y. (2021). Teaching Social Justice. Rowman &amp; Littlefield Publishers</p> <p><a href="#">(326) Why I live a zero waste life   Lauren Singer   TEDxTeen - YouTube</a></p> <p><a href="#">I wore all my trash for 30 days   Rob Greenfield   TEDxUCLA</a></p> <p><a href="#">(326) Stop Thinking Recycling</a></p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>11</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
8-9	explain how the loss of Indigenous languages and spiritual traditions can negatively impact environmental sustainability and propose strategies for revitalizing and sustaining these knowledge systems.	<b>CILO 1: Moderate</b> <b>CILO 2: Moderate</b> <b>CILO 3: Moderate</b>	Project plan presentation	Lecture-discussion on Indigenous knowledge systems  Film viewing on Indigenous Spiritual Traditions	Indigenous Spirituality and Sustainability Indigenous Spirituality and Sustainability	<a href="#">is Sustainable   Michael Cyr   TEDxBuffalo - YouTube</a>  <a href="#">Individualized Nutrition: The Future Health &amp; Sustainability   Sequoia LaDeil Velez   TEDxKlagenfurt</a>  Walshe, N., & Sund, L. (2022).Developing (transformative) environmental and sustainability education in



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>12</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
	design a community-based project that incorporates Indigenous spiritual practices and values to address a local sustainability challenge	<b>CILO 1: Slight</b> <b>CILO 2: Slight</b> <b>CILO 3: Substantial</b>				classroom practice. MDPI  <a href="#">We are all connected with nature: Nixiwaka Yawanawa at TEDxHackney</a>  <a href="#">The Sustainable Future Lies in Indigenous Tradition   Yasmeen Mjalli   TEDxAlManaraSquare</a>  <a href="#">3000-year-old solutions to</a>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>13</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
						<a href="#">modern problems   Lyla June   TEDxKC (326) Ute Wisdom, Language and Creation Story   Larry Cesspooch   TEDxYouth@ParkCity - YouTube</a>
<b>10</b>	<b>MIDTERM EXAM</b>					
<b>11</b>	develop an action plan for how a local Christian congregation can incorporate environmental stewardship into their worship, education, and outreach programs, drawing upon the theological and practical insights gained.	<b>CILO 1: Moderate</b> <b>CILO 2: Moderate</b> <b>CILO 3: Substantial</b>	Action plan document/presentation	Group brainstorming session	Christianity and Environmental Stewardship	Walshe, N., & Sund, L. (2022). Developing (transformative) environmental and sustainability education in classroom practice. MDPI



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>14</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
						<a href="#">Environmental Stewardship   PRC - Practical Resources for Churches</a>  <a href="#">Collaborative-Agenda-for-Environmental-Stewardship-2016.pdf</a>
12	Write a personal reflection essay on how their understanding of Islamic environmental ethics has evolved through the course, and how they plan to integrate these principles into their own lifestyle choices and civic engagement.	<b>CILO 1: Substantial</b> <b>CILO 2: Moderate</b> <b>CILO 3: Slight</b>	Personal reflection essay	Comparative study sessions  Reflection sessions	Islam and Environmental Ethics	 <a href="https://yaqeeninstitute.org/read/paper/when-the-earth-speaks-against-us-environmental-ethics-in-islam">https://yaqeeninstitute.org/read/paper/when-the-earth-speaks-against-us-environmental-ethics-in-islam</a> <a href="#">Yaqeen Institute for Islamic Research</a> 



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>15</b>

<b>Time Frame</b>	<b>Learning Competencies</b>	<b>CO Mapping</b> 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	<b>Assessment Tasks</b>	<b>Teaching and Learning</b>	<b>Learning Content</b>	<b>Resource/Materials</b>
						<p> <a href="https://www.ijfmr.com/papers/2024/3/20924.pdf">https://www.ijfmr.com/papers/2024/3/20924.pdf</a>  <a href="#">IJFMR</a></p> <p> <a href="https://www.thinkingfaith.org/articles/20081111_1.htm">https://www.thinkingfaith.org/articles/20081111_1.htm</a>  <a href="#">thinkingfaith.org</a></p> <p><a href="https://www.ajis.org/index.php/ajiss/article/view/366">https://www.ajis.org/index.php/ajiss/article/view/366</a>  <a href="#">American Journal of Islam and Society</a></p> <p><a href="https://www.zygonjournal.org/article/12630/galley/2">https://www.zygonjournal.org/article/12630/galley/2</a></p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>16</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
13-14	evaluate case studies of Buddhist individuals, communities, and movements that are actively engaged in environmental activism and conservation efforts, and identify best practices and lessons learned.	<b>CILO 1: Substantial CILO 2: Moderate CILO 3: Slight</b>	Case study evaluation report  Action Plan	Case study review  Group discussions	Buddhism and Environmental Ethics	5637/download/ <a href="#">Zygon</a>  Tin-Chun, L. (2021). Economics of education and sustainable development . MDPI.  <a href="https://www.globalbuddhism.org/article/download/1255/1091/2379">https://www.globalbuddhism.org/article/download/1255/1091/2379</a>  <a href="https://www.buddhistdoor.net/features/for-the-earth-buddhist-environmental-thought-and-activism/">https://www.buddhistdoor.net/features/for-the-earth-buddhist-environmental-thought-and-activism/</a>  <a href="https://home.sand">https://home.sand</a>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>17</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
						<a href="http://iego.edu/~kaufmann/hnrs379/Darlington_1998.pdf">iego.edu/~kaufmann/hnrs379/Darlington_1998.pdf</a>  <a href="https://www.mdpi.com/2077-1444/15/11/1314">https://www.mdpi.com/2077-1444/15/11/1314</a>
15	develop an action plan for how a Buddhist community can incorporate environmental ethics and sustainability practices into their teachings, community life, and outreach, drawing upon the insights gained from the course.	<b>CILO 1: Moderate</b> <b>CILO 2: Moderate</b> <b>CILO 3: Substantial</b>	Action Plan	Group discussions	Buddhism and Environmental Ethics	Tin-Chun, L. (2021). Economics of education and sustainable development . MDPI.  <a href="https://c402277.ssl.cf1.rackcdn.com/publications/479/files/original/Environmental_GuidelinesFinal.pdf?1350305724=">https://c402277.ssl.cf1.rackcdn.com/publications/479/files/original/Environmental_GuidelinesFinal.pdf?1350305724=</a>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>18</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
						<a href="https://www.interfaithrainforest.org/sites/Interfaith_Buddhism.pdf">https://www.interfaithrainforest.org/sites/Interfaith_Buddhism.pdf</a>  <a href="https://oneearthsangha.org/domains/wisdom/resources/One_Earth_Sangha">https://oneearthsangha.org/domains/wisdom/resources/One_Earth_Sangha</a> <a href="https://sravastiabey.org/monastic-response-to-climate-change/">https://sravastiabey.org/monastic-response-to-climate-change/</a>
16-17	Propose at least 2 ideas for how different faiths could collaborate on environmental initiatives, in a 1-page written reflection	<b>CILO 1: Slight</b> <b>CILO 2: Moderate</b> <b>CILO 3:</b>	<b>Human Rights Education Integration</b>  Interfaith dialogue sessions	Lecture-discussion on interfaith dialogue sessions	Indigenous Spirituality and Reverence for the Land	<a href="https://www.interfaithrainforest.org/sites/Interfaith_Buddhism.pdf">https://www.interfaithrainforest.org/sites/Interfaith_Buddhism.pdf</a>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>19</b>

Time Frame	Learning Competencies	CO Mapping 3- Substantially addressed 2- Moderately addressed 1- Slightly addressed	Assessment Tasks	Teaching and Learning	Learning Content	Resource/Materials
	within the next week.  Present the group's action plan to the class and receive feedback from their peers and the instructor, refining their proposal based on the input received	<b>Moderate</b>  <b>CILO 1: Slight</b> <b>CILO 2: Slight</b> <b>CILO 3: Moderate</b>	Group presentation	Action plan and final proposal	Interfaith Cooperation Sustainability for	<a href="https://oneearthsa.org/domains/wisdom/resources/">https://oneearthsa.org/domains/wisdom/resources/</a> <a href="https://sravastiabey.org/monastic-response-to-climate-change/">https://sravastiabey.org/monastic-response-to-climate-change/</a>  <a href="https://blogs.dickinson.edu/buddhistethics/files/2013/09/Ives-Buddhist-Environmental-Ethic-final1.pdf">https://blogs.dickinson.edu/buddhistethics/files/2013/09/Ives-Buddhist-Environmental-Ethic-final1.pdf</a> <a href="#">Dickinson Blogs</a>
<b>18</b>	<b>FINAL EXAMINATION</b>					



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>20</b>

### Suggested Reading and References (APA 7<sup>th</sup> Edition Format)

- a. a. Combe, C. (2022). Introduction to Global Sustainable Management. Sage Publications
- Lawless, B. & Chen, Y. (2021). Teaching Social Justice. Rowman & Littlefield Publishers
- b. Wagan, E. (2023). The Role of Secondary Education in Sustainable Development.. Society Publishing  
eBook (Open Access)
- c. Bamber, P. (2020). Teacher education for sustainable development and global citizenship : critical perspectives on values, curriculum and assessment. Critical Global Citizenship Education. eBook (Open Access)
- d. Finnveden, G., Verhoef, L.A., & Newman, J. (2020). Sustainable development and higher education institutions : acting with purpose. MDPI. 1
- e. eBook (Open Access) Tin-Chun, L. (2021). Economics of education and sustainable development . MDPI. 1
- f. eBook (Open Access) Walshe, N., & Sund, L. (2022). Developing (transformative) environmental and sustainability education in classroom practice. MDPI. 1
- g. Ives, C., & Kidwell, J. (2019). Religion and social values for sustainability. Sustainability Science. 1
- h. Selderhuis, H (2020). The Power of religion / religion and power. European Academy of Religion. 1 1
- i. eBook (Open Access) Grosshans, H. (2021). Religion and change. European Academy of Religion. 1
- j. eBook (Open Access) Ondich, J. (2021). World religions : the spirit searching. Creative Commons. 1
- k. eBook (Open Access) Polak, R., & Rohs, P. (2023). Values - politics - religion : the European values study : in depth analysis - interdisciplinary perspectives - future prospects. Springer
- l. eBook (Open Access) Cai, Y., & Wolf, L. (2023). Education and sustainable development goals. MDPI.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>21</b>

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

#### Grading System

**Point System.** The following shall be each grade's corresponding percentage equivalent and descriptive rating:

Grade Point Equivalence	% Equivalent	Description
1.0	98-100%	Excellent
1.25	95-97%	Outstanding
1.50	92-94%	Very Highly Satisfactory
1.75	89-91%	Highly Satisfactory
2.00	85-88%	Satisfactory
2.25	82-84%	Moderately Satisfactory
2.50	79-81%	Less Satisfactory
2.75	77-78%	Better than passing
3.00	75-76%	Passing
5.00	74% and below	Failure
W		Withdrawn
NC		No Credit



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>22</b>

INC  
D

Incomplete  
Dropped

#### **COURSE GUIDELINES AND POLICIES:**

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
 CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>23</b>

### SYLLABUS REVISION HISTORY

a. Syllabus Adaptation	CQA format
b. Version Number (optional)	1
c. Revision Dates	June 2025
d. Prepared by	Ma. Katerina F. Janubas, MAED, LPT
e. Reviewed by	Dr. Mary Joy C. Teodosio, LPT, Program Chair - BS Entrepreneurship Program
f. Recommended by	Dr. Rowena R. Orbeta, CPA, LPT, Dean, College of Business and Management
g. Submitted to	Dr. Kurt S. Candilas, OIC- Vice President for Academic Affairs

*Proof of Dissemination:*

\_\_\_\_\_  
 Name of Student and Signature

Prepared by:

**Ma. Katerina F. Janubas, MAED, LPT**  
 Instructor



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF BUSINESS AND MANAGEMENT**  
**Bachelor of Science in Entrepreneurship**  
CHED Memo Order # 18 series of 2017

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>FIRST YEAR - SECOND SEMESTER</b>
Revision Date:	<b>JUNE 2025</b>
Page	<b>24</b>

Reviewed by:  <b><u>DR. MARY JOY C. TEODOSIO, LPT</u></b>	Approved by:  <b><u>DR. ROWENA R. ORBETA, CPA, LPT</u></b>	Approved by:  <b><u>DR. KURT S. CANDILAS, PhD</u></b>
<b>Program Chair (BS Entrepreneurship Program)</b>	<b>Dean, College of Business and Management</b>	<b>OIC-VP for Academic Affairs</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024-2025**

Semester/Term : **FIRST SEMESTER**

Revision Date: **AUGUST 2024**

Page

### COURSE DETAILS

Course Code:	<b>PATHFit 1</b>	Instructor:	Mr. Erlouise Vargas
Course Title:	<b>Movement Competency Training</b>	Consultation Hours:	
Credit Units:	<b>2</b>	Contact Details:	Erlouisevargas3@gmail.com
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>36</b>

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

**INSTITUTIONAL LEARNING OUTCOMES**

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

**DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES**

CAS Vision	CAS Mission	CAS Core Values
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

**PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)**

	Program Educational Objectives	Graduate Attributes				
		1	2	3	4	5
Creativity	PEO1. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PEO2. develop citizens to be God-fearing <b>individuals</b> ; and,			/	/	/
Social Consciousness	PEO3. shape <b>citizens</b> who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

PROGRAM INTENDED LEARNING OUTCOMES	GENERAL EDUCATION OUTCOMES	PHILIPPINE PRESS INSTITUTE
<p>1. Apply innovative problem-solving techniques in <b><i>defining and accessing information needs; assessing and organizing information and knowledge; producing, sharing, and utilizing information and knowledge</i></b> to embrace change effectively. (ILO1; PE03; GEO-PS 3.4; GEO-IC 1.5)</p> <p>2. Demonstrate a strong commitment to <b><i>communicate in different formats and platforms (print, broadcast, and online)</i></b> to address complex issues and creating positive societal impacts. (ILO2; PE03; GEO-IC 1.2; GEO-PCR 2.6)</p> <p>3. Exhibit effective communication skills in <b><i>preparing communication/media plan</i></b> that prioritize integrity, transparency, and accountability in teamwork. (ILO3; PE02; GEO-IC 1.2; GEO-PS 3.1)</p> <p>4. Apply holistic approach in <b><i>conducting communication and media research and evaluation</i></b> to develop data-driven solutions with a significant community impact. (ILO 4; PE01; GEO-IC 1.4; GEO-IC 1.5)</p>	<p><b>1. Intellectual competencies (IC)</b></p> <p>1.2 Proficient and effective communication (writing, speaking, and use of new technologies)</p> <p>1.3 Understanding of basic concepts across the domains of knowledge</p> <p><b>2. Personal and civic responsibilities (PCR)</b></p> <p>2.2 Capacity to personally interpret the human experience</p> <p>2.3 Ability to view the contemporary world from both Philippine and global perspectives</p> <p>2.4 Self-assuredness in knowing and being Filipino</p> <p><b>3. Practical skills (PS)</b></p> <p>3.1 Working effectively in a group</p>	<p><b>7.</b> Respect individuals' dignity and never ridicule, cast aspersions on, or degrade any person by reason of sex, creed, religious belief, political conviction, cultural and ethnic origin</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024-2025**

Semester/Term : **FIRST SEMESTER**

Revision Date: **AUGUST 2024**

Page

5. ***Develop and produce communication materials in different formats and platforms*** to collaborate with stakeholders in addressing local needs and create positive change. (ILO5; PE01; GEO-IC 1.1; GEO-PCR 2.9)

### COURSE DESCRIPTION

This course reintroduces the fundamental movement patterns that consist of non-locomotor and locomotor skills, which are integrated with core training to meet the demands of functional fitness and physical activity performance. Emphasis will be on exercise regression and progression for the enhancement of fitness and the adaptation of movement competencies to independent physical activity pursuits. Students will also develop higher-level literacy, communication, numeracy, critical thinking, and learning skills as they engage in fitness and wellness concepts, exercise, and healthy eating principles. Periodic evaluation will be conducted of one's level of fitness and physical activity, as well as eating patterns to monitor progress through caloric needs and intake calculation and mensuration of physiological indicators, ultimately supporting the achievement of personal fitness and dietary goals. (GEO-IC 1.2GEO-IC 1.3; ; GEO-PS 3.1 PPI 7)

COURSE OUTCOMES	MAPPED PILO	MAPPED GENERAL EDUCATION OUTCOMES	MAPPED PHILIPPINE PRESS INSTITUTE
<b>CILO1:</b> Demonstrate content knowledge on the fundamental skills including locomotor and object control skills, and confidently apply them in diverse physical activities. (GEO-IC 1.3)	<b>PILO1; PILO5</b>	GEO-IC 1.3	
<b>CILO2:</b> Demonstrate knowledge and understanding on the fundamental exercise principles, including regression and progression, to develop personalized physical activity plans that is tailored to	<b>PILO2; PILO4</b>		PPI 7



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

one's differences in terms of sex, body types, needs and interests. (PPI 7)			
<b>CILO3:</b> Demonstrate knowledge of effective communication, numeracy and critical thinking skills through conducting food mensuration, individualized and group-based assessment of fitness levels, activity readiness, and engagement barriers, and systematically monitoring and evaluating progress in fitness performance (GEO-IC 1.2; GEO-PS 3.1)	<b>PILO2; PILO3; PILO5</b>	GEO-IC 1.2; GEO-PS 3.1	

Time Frame	Learning Competencies	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed 2: Moderately Addressed 1: Slightly Addressed						
		C01	C02	C03				
Week 1	<ul style="list-style-type: none"> <li>Differentiate the meaning, concepts, and components of physical fitness, health-related and performance-related fitness aspects, locomotor and non-locomotor and</li> </ul>	2			<ul style="list-style-type: none"> <li><b>T-chart</b> discusses content understanding on the basic concepts and differences between locomotor and</li> </ul>	Lecture-discussion	I. Physical Fitness a) Concepts of Physical Fitness b) Components of Physical Fitness c) Health-related Fitness	Honesty



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

					non-locomotor, and concepts and components of fitness.		d) Performance-Related Fitness  II. Locomotor and Non-locomotor Skills	
Week 2	<ul style="list-style-type: none"> <li>Assess health status, physical activity readiness, and engagement barriers to effectively communicate one's needs and interests for personalized course participation.</li> </ul>			3	<ul style="list-style-type: none"> <li><b>Health Declaration Form.</b> A form that assesses health status, physical activity readiness, and engagement barriers to effectively communicate one's needs to personalize participation in course.</li> </ul>	Self-Assessment and Reporting	III. Benefits of Physical Fitness a) Exercise-based Activities b) Program-based Activities  IV. Parameters of Physical Fitness a) Health Declaration b) Fitness Test	Inclusivity
Weeks 3-4	<ul style="list-style-type: none"> <li>Administer in groups the health-related and performance-related fitness tests to comprehensively monitor and communicate the performance needs of each individual.</li> </ul>			2	<b>Group-based Physical Fitness Testing.</b> A physical test that is done in groups that presents and reports students' data to comprehensively monitor and communicate the performance needs of each individual.	Individual & group exercises with group processing	V. Physical Fitness Test Administration a) Health-related Fitness b) Performance-Related Fitness	Excellence  Respect



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

Week	PRELIM EXAMINATION							
Week 5								
Week 6	<ul style="list-style-type: none"> <li>Synthesize as a group the majority calorie intake to evaluate decision making in terms of food choices.</li> </ul>			2	<ul style="list-style-type: none"> <li><b>Group Synthesis Paper.</b> This presents the students' collective understanding of calorie intake monitoring and evaluation. This paper will effectively communicate the decision-making process behind food choices.</li> </ul>	Individual or group projects with peer review	VI. Nutrition a) Definition, Concepts, Nutrients, Functions, Source, Approximate Weights b) The Food Groups Best and	Honesty  Excellence
Week 7	<ul style="list-style-type: none"> <li>Conduct individualized food mensuration and basic calculation of kilocalories of food intake.</li> </ul>			2	<ul style="list-style-type: none"> <li><b>Individualized Kilocalories Computation.</b> This presents the students' understanding of calorie intake monitoring and evaluation</li> </ul>	Individual or group projects with peer review	c) Guidelines to Lifelong Weights and Health Maintenance d) Basal Metabolic Rate e) Daily Caloric Needs	Mission-Drivenness  Humanity  Respect
Week 8	<ul style="list-style-type: none"> <li>Identify the basic components the human skeleton.</li> <li>Identify the primary muscles and muscle groups of the</li> </ul>	2			<ul style="list-style-type: none"> <li><b>Skeleton Worksheet.</b> This form presents unlabeled skeleton</li> </ul>	Lecture-discussion	VII. Movement Enhancement a) The Human Movement	Humanity  Excellence



Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

	human body.				<p>parts that students will try to identify. This form prompts understanding on the basic concepts of skeletal system,</p> <ul style="list-style-type: none"> <li>• <b>Muscular System Worksheet.</b> This form presents unlabeled muscles/muscle groups that students will try to identify. This form prompts understanding on the basic concepts of muscular system,</li> </ul>		<p>b) The Skeletal System          - Classification, Bone Classification, Main parts of the Skeleton          c) Planes of the Body          d) Kinds of Joint Movement          e) Skeletal System and Sports</p> <p>VIII. Movement Enhancement Muscular System          a) Types of Muscle Tissues          b) Parts of Muscles          c) Major Muscle Group of the Human Body          d) Roles of Muscle</p>	
Week 9	<ul style="list-style-type: none"> <li>• Design a personalized preliminary activity program that is tailored to one's differences in terms of sex, body types, needs and</li> </ul>		2		<ul style="list-style-type: none"> <li>• <b>Personalized Preliminary Exercise Program.</b> This is a form that presents</li> </ul>	<p>Structured learning exercises (SLE)  Individual &amp; group</p>	<p>IX. The Exercise Program</p>	<p>Mission-Drivenness  Inclusivity</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

	interests.				students' designs on their personalized preliminary activity program that is tailored to one's differences in terms of sex, body types, needs and interests.	exercises with group processing	a) Definition, Types of Exercise b) Phases of the Fitness Exercise Program - Warm-Up - Benefits of Warming Up Before a Workout - Exercise Proper/ Workout - Cool-down Exercise - Various Functions of Exercises	
Week 10	<b>MIDTERM EXAMINATION</b>							
Weeks 11-15	<ul style="list-style-type: none"> <li>Administer the personalized exercise program that is tailored to one's differences in terms of sex, body types, needs and interests and adheres to training principles, strategically</li> </ul>		2		<b>Exercise Programs Development.</b> This task allows students to administer their respective personalized exercise program that is tailored to one's	Structured learning exercises (SLE)  Individual & group exercises with group processing	X. The Exercise Program  a) Principles of Training b) The F.I.T.T. Formula	Mission-Drivenness  Inclusivity



Academic Year:	<b>2024-2025</b>
Semester/Term:	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

	selecting exercises to maximize and achieve desired benefits.				differences in terms of sex, body types, needs and interests and adheres to training principles, strategically selecting exercises to maximize and achieve		c) Physiological and Psychological Benefits of Exercise d) The advantages of Exercises for Fitness e) Basic Positions where most Exercises Begin f) The exercises	Excellence
Weeks 16-17	<ul style="list-style-type: none"> <li>Develop a choreography as a group that is based on the concept of aerobic exercise, considering one's differences in terms of sex, body types, cultural and ethnic differences.</li> <li>Create a comprehensive social media campaign to communicate the transformative impact of aerobic exercise and other training programs on overall health, fitness, and well-being across all age, cultural and ethnicity demographics within the community.</li> </ul>			2	<ul style="list-style-type: none"> <li><b>Aerobic Dance Choreography.</b> Students will develop a group aerobic dance based on the concept of aerobic exercise to enhance teamwork and communication skills. Consideration will be given to individual differences in sex and body types.</li> <li><b>2-Minute Aerobic</b></li> </ul>	Structured learning exercises (SLE)  Individual & group exercises with group processing	XI. Aerobic Exercise Program a) Aerobics b) Moves and Techniques c) Benefits d) Importance of Aerobic Exercise e) Health Benefits f) Accompanied with the Music g) Aerobic Dance as a Community	Mission-Drivenness  Inclusivity  Excellence



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

					<p><b>Exercise Program Promotional Video.</b> A graded task that allows students to create a comprehensive social media campaign that effectively communicates the multifaceted benefits of aerobic dance as a dynamic form of exercise, leading to independent pursuit in fitness, and individualized health progress monitoring, data calculation, and evaluation.</p>		<p>Extension Program</p>	
18	<b>FINAL EXAMINATION</b>							



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

### Suggested Reading and References (APA 7<sup>th</sup> Edition Format)

- Ambrocio, J (2021).Physical Activity Towards Health and Fitness I. Mindshapers Co.,INC.
- Frigillana, A. (2022).Pathfit 1 Physical Activity Towards Health and Fitness 1. Mutya Publishing House, INC
- Pilobello, B. (2021).Physical Activities Towards Health and Fitness I. Mutya Publishing House, INC
- Punzalan, M. (2023).Pathfit 1 Physical Activity Towards Health & Fitness 1. Mindshapers Co.,INC.
- Punzalan, M. (2019).Physical Education 1. Mindshapers Co.,INC.

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
<b>1.0</b>	A+	100-95%	Excellent
<b>1.1 - 1.5</b>	A	94-90%	Superior
<b>1.6 - 2.0</b>	B+	89-85%	Very Good
<b>2.1 - 2.5</b>	B	84-80%	Good
<b>2.6 - 2.9</b>	B-	79-76%	Fair
<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024-2025**

Semester/Term : **FIRST SEMESTER**

Revision Date: **AUGUST 2024**

Page

<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped

### COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.

### SYLLABUS REVISION HISTORY



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

a. Syllabus Adaptation	OBE Format
b. Version Number (optional)	4
c. Revision Dates	<i>January 2024, June 2024, July 2024, August 2024</i>
d. Prepared by	<i>Mr. Erlouise Vargas</i>
e. Reviewed by	Mr. Erlouise Vargas, Program Head for PATHFit/ Dr. Kurt S. Candilas, Dean, College of Arts and Sciences
f. Approved by	Dr. Liza Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academic Affairs

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**ERLOUISE VARGAS, LPT, MAED**  
**Instructor**



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024-2025</b>
Semester/Term :	<b>FIRST SEMESTER</b>
Revision Date:	<b>AUGUST 2024</b>
Page	

Received by:	Reviewed by:	Recommended by:	Approved by:
<b><u>ERLOUISE VARGAS, LPT, MAED</u></b>	<b><u>KURT S. CANDILAS, Ph.D.</u></b>	<b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	<b><u>MA. AIRA CHENESSA B. AGUILAR, Ed.D.</u></b>
<b>Program Head for PATHFit</b>	<b>Dean for College of Arts and Sciences</b>	<b>Dean for Curriculum and Instruction</b>	<b>Vice President for Academics</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

**COURSE DETAILS**

Course Code:	<b>NSTP 1</b>	Instructor:	
Course Title:	<b>National Service Training Program 1 (LTS/CWTS/ROTC)</b>	Consultation Hours:	
Credit Units:	<b>3</b>	Contact Details:	
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

**VISION STATEMENT**

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

**MISSION STATEMENT**

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

**CORE VALUES**

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

**GRADUATE ATTRIBUTES**

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

**QUALITY STATEMENT**

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year:	<b>SY 2024-2025</b>
Semester/Term :	<b>First</b>
Revision Date:	
Page	

**INSTITUTIONAL LEARNING OUTCOMES**

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Driven Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

**DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES**

NSTP Vision	NSTP Mission	NSTP Core Values
By 2033, the National Service Training Program is the leading community hub that aids the City College of Cagayan de Oro in becoming a globally recognized institution at the forefront of driving positive social change.	To contribute in providing integral human development by fostering leadership, inclusivity, and reflective use of technology for its formation and social development programs and services.  Reference: Republic Act. No 9163 (NSTP Act 2001)	Sustainability Empathy Respect Vision Integrity Collaboration Excellence

**PROGRAM OUTCOMES  
 (Upon completion of the NST Program, graduates will be able to:)**

**PROGRAM EDUCATIONAL OBJECTIVES (After completing the National Service Training Program, the CCCDO students will be able to...)**

**GRADUATE ATTRIBUTES**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
----------	----------	----------	----------	----------

Foster responsible citizenship and patriotism	PEO 1. Instill a sense of national pride and active citizenship by encouraging participation in civic duties and promoting social responsibility.		/		/
---	---	--	---	--	---



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year:	<b>SY 2024-2025</b>
Semester/Term :	<b>First</b>
Revision Date:	
Page	

Cultivate adaptability and preparedness	PEO 2. Develop the ability to adapt to diverse situations, equipping students with the skills necessary for community involvement, disaster resilience, and nation-building.	/ / / / /
Promote sustainability and environmental stewardship	PEO 3. Encourage sustainable practices and community development initiatives that contribute to environmental conservation and the well-being of future generations.	/ / / / /

PROGRAM INTENDED LEARNING OUTCOMES	GENERAL EDUCATION OUTCOMES	PHILIPPINE PROFESSIONAL STANDARD FOR TEACHER BEGINNING TEACHER INDICATORS (BTIs)	TESDA COMPETENCIES
<p>1. Apply innovative problem-solving techniques in <b>defining and accessing information needs; assessing and organizing information and knowledge; producing, sharing, and utilizing information and knowledge</b> to embrace change effectively. (ILO1; PEO3; GEO-PS 3.4; GEO-IC 1.5)</p> <p>2. Demonstrate a strong commitment to <b>communicate in different formats and platforms (print, broadcast, and online)</b> to address complex issues and creating positive societal impacts. (ILO2; PEO3; GEO-IC 1.2; GEO-PCR 2.6)</p>	<p><b>1. Intellectual competencies (IC)</b></p> <p>1.1 Higher levels of comprehension (textual, visual, etc.)</p> <p>1.2 Proficient and effective communication (writing, speaking, and use of new technologies)</p> <p><b>2. Personal and civic responsibilities (PCR)</b></p> <p>2.4 Self-assuredness in knowing and being Filipino</p> <p>2.9 Ability to contribute personally and meaningfully to the country's development.</p> <p><b>3. Practical skills (PS)</b></p>	<p>Domain 1, Content Knowledge and Pedagogy, is composed of seven strands:</p> <p>1.5. Strategies for developing critical and creative thinking, as well as other higher-order thinking skills</p> <p>Domain 3, Diversity of Learners, consists of five strands:</p> <p>3.2. Learners' linguistic, cultural, socio-economic and religious backgrounds</p> <p>Domain 6, Community Linkages and Professional Engagement, consists of four strands:</p> <p>6.1. Establishment of learning environments that are responsive to community contexts</p> <p>6.2. Engagement of parents and the wider school community in the educative process</p>	<p>CODE NO. 500311106-<b>Work in a team environment</b></p> <p>CODE NO. 5003111010-<b>Lead small teams</b></p> <p>CODE NO. 5003111012-<b>Solve problems related to work activities</b></p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

7. Collaborate with stakeholders and **develop entrepreneurial capabilities** to address local needs. (ILO5; PEO3; GEO-PS 3.1)

3.1 Working effectively in a group

**COURSE DESCRIPTION**

Pursuant to the goals declared in Republic Act 9163 otherwise known as National Service Training Program Law (NSTP Law), Literacy Training Services refers to the program designed to train the students become capable non-licensed instructors of functional literacy and numeracy skills to school children, out-of-school youths, and other segments of society in need of their service. This course deals with the nature of identity, as well as the factors and forces that affect the development and maintenance of personal identity. This course is intended to facilitate the exploration of the issues and concerns regarding self and identity to arrive at a better understanding of one's self. It stresses the integration of the personal with the academic making for better learning, generating a new appreciation for the learning process, and developing a more critical and reflective attitude while enabling them to manage and improve their selves to attain a better quality of life.

*With CHED compliance on CMO 1 & 2 s.2019 (refer to general outcome, CO 2 & 3, and pages 5, & 8)*

**CHED STANDARDS**

**COURSE INTENDED LEARNING OUTCOMES MAPPED WITH PPST (BTIs), TESDA COMPETENCIES**

**CILO1:** Demonstrate active citizenship and responsible participation in community and nation-building through civic duties, leadership, and practical engagement in addressing community needs, fostering patriotism, and contributing to recovery and preparedness efforts. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- *Work in a team environment*, TESDA CODE NO. 5003111010- *Lead small teams*)

**CILO2:** Develop adaptability and problem-solving skills through digital tools and practical applications in civic engagement, environmental stewardship, and community service, promoting sustainability and fostering continuous self-improvement. (PILO 1, GEO IC 1.1, GEO IC 1.2, PPST 1.5, TESDA CODE NO. 5003111012- *Solve problems related to work Activities*)

**CILO3:** Create and promote narratives that raise awareness on environmental issues, cultural preservation, and community well-being, enhancing responsible citizenship and patriotism while advocating for sustainability and national pride. (PILO 2, GEO IC 1.1, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- *Work in a team environment*, TESDA CODE NO. 5003111012- *Solve problems related to work Activities*)



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

Time Frame (Week)	Learning Competencies	Curriculum Outcome Mapping	Assessment Tasks	Teaching and Learning Activities	Learning Content	Resources/ References
1	GTKY					
2-3	<p><b>Knowledge:</b> Recall and describe the key provisions and objectives of the NSTP Law (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p> <p><b>Skills:</b> Apply the principles of the NSTP Law to design and implement a community service project. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p> <p><b>Attitudes:</b> Critically evaluate the impact of community service on personal development and societal change, demonstrating a commitment to civic responsibility. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p>	<b>CO1</b>	<p>Multiple-choice quiz Short answer questions</p> <p>Fishbone Activity (Group)</p> <p>Reflective essay: How participating in community service influence one's values and perspectives.</p>	<p>Lecture Reading assignment</p> <p>Small Group Activity/Discussion Film Viewing</p> <p>Reflection sessions</p>	The NSTP Law [R.A. 9163]	<p>PPTs Video presentation</p> <p>1987 Philippine Constitution PD 1706 RA 8491 RA 9418 - Volunteer Act of 2007 RA 7077 UN Principles on Human Rights</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

4-5	<p><b>Knowledge:</b> Explain the concepts of citizenship and nation-building and their relevance to national development and the NSTP framework. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p> <p><b>Skills:</b> Design and implement a community-based project that promotes civic engagement and contributes to nation-building. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p> <p><b>Attitudes:</b> Reflect and assess personal commitment to their community and develop a sense of responsibility towards their role within it. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p>	<b>CO1</b>	<p>Concept mapping showing how citizenship and nation building are interrelated and their significance in the NSTP context</p> <p>Project Plan, Implementation, and Evaluation: community service project</p> <p>Reflective journal          Journal entries          Reflection Paper</p>	<p>Lecture/Discussion on theoretical concepts of citizenship, nation-building, and their roles in NSTP</p> <p>Role-play presentation</p> <p>Reflection sessions          Social Media Post/Blog</p>	Being Filipino: Filipino Citizenship, Values, and Nation-building	<p>PPTs          Video presentation</p> <p>1987 Philippine Constitution</p>
6	<b>PRELIM EXAMINATION</b>					
7	<p><b>Knowledge:</b> Define what constitutes a community and identify different types of community groups, including their roles and</p>	<b>CO1</b>	<p>Definition exercise          Classification quiz</p>	<p>Lecture and reading          Interactive chart/visual chart/infographic of</p>	Me and The Community	<p>PPTs          Video presentation</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

	<p>functions. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p> <p><b>Skills:</b> Identify and analyze own roles within the various community groups and create an action plan to address a community need. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p> <p><b>Attitudes:</b> Reflect on and assess personal commitment to community and develop a sense of responsibility towards their role within it. (PILO 7, GEO EC1.2, GEO PCR 2.9, PPST 6.1, PPST 6.2, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111010- <i>Lead small teams</i>)</p>		<p>Community role analysis</p> <p>Reflective essay Peer feedback</p>	<p>community types and roles</p> <p>Role-playing exercises Case studies</p> <p>Reflection and sharing Social Media Post/Blog</p>	<p>(Group Classifications)</p> <p>Definition of community</p>	
8-9	<p><b>Knowledge:</b> Describe the main issues related to substance abuse, HIV/AIDS and the provisions of Philippine AIDS Prevention and Control Act (RA 8504), including their impact on individual and public health. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work</i></p>	<b>CO2, CO3</b>	<p>Create Fact Sheet Multiple-choice Quiz</p>	<p>Panel Interviews/ Resource Person/s Workshop</p> <p>Role-Playing</p>	<p><b>Safety and Health</b></p> <ul style="list-style-type: none"> <li>Substance Abuse Education</li> <li>HIV/AIDS and STD</li> </ul>	<p>PPTs Video presentation</p> <p>RA 9165 Dangerous Drugs Board Resolutions and Regulations</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

	<p><i>in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</i></p> <p><b>Skills:</b> Apply knowledge about substance abuse prevention, HIV/AIDS management, and PNAC RA 8504 to develop strategies or intervention plans for health promotion and safety. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</i></p> <p><b>Attitudes:</b> Reflect on personal attitudes towards substance abuse, HIV/AIDS management, and PNAC RA 8504 demonstrating a commitment to promoting public health and safety. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</i></p>		<p>Intervention Plan Symposium</p> <p>Reflective Journal Advocacy Speech</p>	<p>News articles and Documentary videos</p> <p>Reflection sessions</p> <p>Advocacy campaigns</p>	<ul style="list-style-type: none"> <li>o Facts: Local and Global Scenario</li> <li>o Transmission of STD/HIV/AIDS</li> <li>o High Risk Behaviors</li> </ul> <ul style="list-style-type: none"> <li>● PNAC RA 8504</li> </ul>	
10	<b>MIDTERM EXAMINATION</b>					
11-12	<p><b>Knowledge:</b> Describe the key environmental laws and explain their objectives and</p>	<b>CO2, CO3</b>	<p>Slogan/Poster Fact-based quiz Law summary report</p>	Lecture and discussion	<b>Environment</b>	<p>PPTs Video presentation</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

<p>implications for environmental protection. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111012-<i>Solve problems related to work Activities</i>)</p> <p><b>Skill:</b> Apply the provisions of environmental laws to real-world scenarios, such as assessing compliance or p[proposing improvements to environmental practices. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111012-<i>Solve problems related to work Activities</i>)</p> <p><b>Attitudes:</b> Create an action plan or campaign to promote awareness and community involvement in environmental protection efforts, such as reducing air and water pollution, and managing solid waste. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO.</p>		<p>Case study report</p> <p>Position paper on the strengths and weaknesses of current environmental laws and recommendations for improvement</p>	<p>Group activity/Case study analysis</p> <p>Data collection</p> <p>Project presentations on environmental conservation strategies</p> <p>Social Media Post/Blog</p>	<p>Environmental Laws</p> <p>Clean Air Act (R.A. 8749) - Clean Air Act of 1999; City Ordinance 13102-2016</p> <p>Clean Water Act (R.A. 9274)</p> <p>Solid Waste Management Act (R.A. 9003) - City Ordinance No. 13378-2018, "Integrated Eco-biological Solid Waste Management Ordinance</p> <p>Environmental Sociology</p>	<p>EO 579          RA 9512 – Environmental Awareness and Education act of 2008          DENR Issuances          CMO No.33, s. 2009</p>
--	--	--	--	--	--



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

	<i>5003111012-Solve problems related to work Activities)</i>					
13-14	<p><b>Knowledge:</b> Explain key concepts of disaster awareness, preparedness, and management including major disaster risks, the roles of different agencies, and the disaster response network. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</p> <p><b>Skills:</b> Develop and implement disaster preparedness plan for a specific scenario, applying knowledge of risk assessment and management strategies. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</p> <p><b>Attitudes:</b> Reflect on the importance of disaster preparedness and management, demonstrating a commitment personal and community safety through proactive measures and advocacy. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4,</p>	<b>CO2, CO3</b>	<p>Fact-based quiz          Concept map</p> <p>Preparedness map          Simulation exercises</p> <p>Advocacy campaign</p>	<p>Lecture and discussion</p> <p>Simulation drills</p> <p>Workshops          Expert Opinions</p> <p>Reflection session</p>	<b>Disaster Awareness, Preparedness and Management</b>	<p>PPTs          Video presentation</p> <p>Issuances of BFP, PNR, DND, and NDRRM          RA 10121          Hazard Maps</p> <p>DND-OCD issuances</p> <ul style="list-style-type: none"> <li>• Hugo Frame of Action (HFA)</li> <li>• Strategic National Action Plan (SNAP)</li> <li>• ASEAN Agreement on Disaster Management Response (AADMER)</li> <li>• Contingency Plan (CP) Manual</li> </ul>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

	PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</i>					
15-16	<p><b>Knowledge:</b> Understand the key concepts and terminology related to Sexual Orientation and Gender Identity and Expression (SOGIE). Describe the different types of sexual orientation and gender identities. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</i></p> <p><b>Skills:</b> Demonstrate empathy and effective communication when discussing SOGIE-related issues with individuals of different gender identities and sexual orientations. Analyze the social challenges and barriers faced by LGBTQIA+ individuals in various contexts. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities)</i></p> <p><b>Attitudes:</b> Advocate for the rights and dignity</p>	<b>CO2, CO3</b>	<p>Role-Playing Exercise          Case Study Analysis          Advocacy Plan          Reflective Journal</p>	<p>Group Discussions and Role Play          Peer Teaching          Brainstorming          Debate          News articles and journals          Expert Opinions</p>	<p><b>Sexual Orientation and Gender Identity and Expression</b></p> <ul style="list-style-type: none"> <li>o Gender and Development</li> <li>o SOGIE Bill</li> </ul>	<p>PPTs          Video presentation          SOGIE bill</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

	of LGBTQIA+ individuals in various settings. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities</i> )					
17	<p><b>Knowledge:</b> Identify and describe internal and external security threats faced by the Philippines and explain the roles of the youth in national security. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities</i>)</p> <p><b>Skills:</b> Analyze specific security threats and propose actionable strategies or initiatives that involve youth in addressing these threats. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment, TESDA CODE NO. 5003111012-Solve problems related to work Activities</i>)</p>	<b>CO2, CO3</b>	<p>Research paper detailing the main internal and external threats to Philippine national security and the contributions of the youth in addressing these threats</p> <p>Strategic Plan/Scenario Analysis</p>	<p>Lecture and discussion</p> <p>Group activity/Case study analysis</p> <p>Data collection</p> <p>Role play exercise/Advocacy camoaugns</p> <p>Portfolio</p>	<p><b>National Security Concerns</b></p> <p>a.1. Internal threats</p> <p>a.2. External threats</p> <p>a.3. Role of the Youth in the National Security</p>	<p>PPTs</p> <p>Video presentation</p> <p>West Philippine Sea articles</p> <p>EO No. 3, s. 2001</p> <p>Proclamation No. 675, s. 2004</p> <p>EO 570, s. 2006</p> <p>CMO No. 1, s. 2019</p> <p>Merida Convention</p> <p>Anti-human Trafficking law</p> <p>National Defense College and DND Publication</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year:	<b>SY 2024-2025</b>
Semester/Term :	<b>First</b>
Revision Date:	
Page	

	<p><b>Attitudes:</b> Reflect on the significance of national security and their role as active participants on contributing to the security and stability of our nation. (PILO 1, PILO 2, GEO IC 1.1, GEO IC 1.2, GEO PCR 2.4, PPST 1.5, PPST 3.2, PPST 6.1, TESDA CODE NO. 500311106- <i>Work in a team environment</i>, TESDA CODE NO. 5003111012-<i>Solve problems related to work Activities</i>)</p>		<p>Reflective essay          Compile journal entries and essential documents for the final requirements submission.           Portfolio submission</p>			
18	<b>FINAL EXAMINATION</b>					



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

**Suggested Reading and References (APA 7<sup>th</sup> Edition Format)**

Required Worktext: Labuguen, F. et al.(2023). NSTP Understanding the National Service Training Program Revised Edition. MUTYA Publishing House, Inc.

Other References: Punzalan, M. D., Tan, N. P., & Maranan, M. H. (2023). NSTP 1. MINDSHAPES CO., INC.

Loñez, L. L., Bitamog, R. J. T., Lunag, M. B., & Gonzalvo, R. P. (2023). NSTP 1 Guide in Civic Welfare Training Service. MINDSHAPERS CO., INC.

URLs for online resources:

<https://www.officialgazette.gov.ph/2002/01/23/republic-act-no-9163/>

[https://lawphil.net/statutes/repacts/ra1999/ra\\_8749\\_1999.html](https://lawphil.net/statutes/repacts/ra1999/ra_8749_1999.html)

[https://lawphil.net/statutes/repacts/ra2004/ra\\_9274\\_2004.html](https://lawphil.net/statutes/repacts/ra2004/ra_9274_2004.html)

<https://www.officialgazette.gov.ph/2001/01/26/republic-act-no-9003-s-2001/>

[https://lawphil.net/statutes/repacts/ra1998/ra\\_8504\\_1998.html](https://lawphil.net/statutes/repacts/ra1998/ra_8504_1998.html)

<https://www.amnesty.org/ph/campaigns/sogiesc/>

**COURSE GRADE EQUIVALENT**

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
1.0	A+	100-95%	Excellent
1.1 - 1.5	A	94-90%	Superior
1.6 - 2.0	B+	89-85%	Very Good
2.1 - 2.5	B	84-80%	Good
2.6 - 2.9	B-	79-76%	Fair



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn
<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped

**COURSE GUIDELINES AND POLICIES**

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year: **SY 2024-2025**

Semester/Term : **First**

Revision Date:

Page

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	OBE Framework
b. Version Number (optional)	4
c. Revision Dates	January 2024, June 2024, July 2024, August 2024
d. Prepared by	Ms. Candice Mae B. Gamayon
e. Reviewed by	Ms. Candice Mae B. Gamayon, Director, NSTP
f. Approved by	Dr. Liza A. Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academic Affairs

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**ANDREA ALEXA ERMINO/CANDICE MAY B. GAMAYON**  
**Instructor/Formator**

Received and reviewed by:	Recommended by:	Approved by:
<b><u>CANDICE MAY B. GAMAYON, Ph.D. (CAR)</u></b>	<b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	<b><u>MA. AIRA CHENESSA B. AGUILAR, Ph.D.</u></b>
<b>NSTP Director</b>	<b>Dean for Curriculum and Instruction</b>	<b>Vice President for Academic Affairs</b>



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

**NATIONAL SERVICE TRAINING PROGRAM**

Academic Year:	<b>SY 2024-2025</b>
Semester/Term :	<b>First</b>
Revision Date:	
Page	



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **1**

### COURSE DETAILS

Course Code:	<b>IoT 1</b>	Instructor:	
Course Title:	<b>Internet of Things</b>	Consultation Hours:	
Credit Units:	<b>3</b>	Contact Details:	
Prerequisite(s):	<b>None</b>	Number of Hours:	

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>2</b>

**INSTITUTIONAL LEARNING OUTCOMES**

<b>Institutional Learning Outcomes Key Area</b>	<b>Outcomes indicating Graduate Attributes</b>	<b>Core Values</b>
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

**DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES**

<b>CAS Vision</b>	<b>CAS Mission</b>	<b>CAS Core Values</b>
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

**PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)**

		<b>Graduate Attributes</b>				
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Creativity	PE01. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PE02. develop citizens to be God-fearing <b>individuals</b> ; and,			/	/	/
Social Consciousness	PE03. shape <b>citizens</b> who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **3**

PROGRAM INTENDED LEARNING OUTCOMES	GENERAL EDUCATION OUTCOMES	PHILIPPINE PRESS INSTITUTE
<p><b>PILO 1:</b> Apply innovative problem-solving techniques in defining and accessing information needs; assessing and organizing information and knowledge; producing, sharing, and utilizing information and knowledge to embrace change effectively. (ILO1; PEO3; GEO-PS 3.4; GEO-IC 1.5)</p> <p><b>PILO 7:</b> Collaborate with stakeholders and <i>develop entrepreneurial capabilities</i> to address local needs. (ILO5; PEO3; GEO-PS 3.1)</p>	<p><b>GEO IC 1.3</b> Understanding of basic concepts across the domains of knowledge</p> <p><b>GEO PCR 2.9</b> Ability to contribute personally and meaningfully to the country's development.</p> <p><b>GEO PCR 2.6</b> Ability to reflect on moral norms/imperatives as they affect individuals and society</p>	<p><b>PPI 2:</b> Uphold the confidentiality of information on material given in the exercise of one's calling.</p> <p><b>PPI 6:</b> Not commit any act of plagiarism.</p>

#### COURSE DESCRIPTION

The course Internet of Things (IoT) will discuss basic concepts across the domains of knowledge in IoT, considering their implications and potential for innovation to embrace change effectively. It will discuss IOT's various technologies and protocols used in IoT systems as data-driven solutions with a significant community impact aimed to contribute meaningfully to the country's development. This course also aims to equip students with the ability to reflect on moral norms related to IoT security, privacy, to not violate confidential information and not commit any act plagiarism. (GEO-IC 1.3, GEO PCR 2.9, GEO PCR 2.6, PPI 2, PPI 6)

COURSE OUTCOMES	MAPPED PILO	MAPPED GENERAL EDUCATION OUTCOMES	MAPPED PHILIPPINE PRESS INSTITUTE
<p><b>CILO1:</b> Critically evaluate the basic concepts across the domains of knowledge in IoT, considering their implications and potential for innovation to embrace change effectively.</p>	<p><b>PILO 1</b></p>	<p><b>GEO-IC 1.3</b></p>	



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **4**

<p><b>CILO2:</b> Collaborate with stakeholders to develop entrepreneurial capabilities in developing a comprehensive proposal paper that designs and implements IoT solutions to contribute meaningfully to the country's development.</p>	<p><b>PILO 7</b></p>	<p><b>GEO PCR 2.9</b></p>	
<p><b>CILO3:</b> Demonstrate ability to reflect on moral norms, ethical standards and practices related to IoT security and privacy to not violate confidential information and to not commit any act of plagiarism.</p>	<p><b>PILO 8</b></p>	<p><b>GEO PCR 2.6</b></p>	<p><b>PPI 2</b></p>

Time Frame	Learning Competencies	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed 2: Moderately Addressed 1: Slightly Addressed						
		CO1	CO2	CO3				
1		GTKY Orientation on Mission, Vision, Core Values, Graduate Attributes RISE Agenda						
2-3 (6hrs )	Demonstrate understanding on the basic concepts across the domains of knowledge in IoT	3			Oral Presentation on the technological advancement principles and concepts	Film/Video showing on the Rise of IoT and AI and current trends	The Fundamental Concepts and Principles of IoT and Artificial	Adaptability Innovation Excellence



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **5**

						Lecture-discussion on the following lessons: Lesson 1.1: What is IoT and AI? Lesson 1.2: The Fundamental Concepts and Principles of IoT and AI	Intelligence	
4 (3 hrs)	Analyze how digital citizens connect with mobile technology and network to embrace change effectively.	3			Concept Mapping on the use of the old media in the new world	Lecture-discussion: Presentation of Statistics on Technology Use and Trend Group Discussion: Lesson 1.3: Old Technologies, New, Technologies, and Millennials	Old Media in the New World	Adaptability Innovation
5	<b>PRELIM EXAMINATION</b>							
6-7 (6hrs )	Synthesize the wide range of applications of IoT across different sectors and industries to implements IoT solutions to contribute meaningfully to the country's	2			Synthesis Paper on the IoT and AI Applications in Various Industries and	Collaborative Learning. Students will work in groups to research and	IoT and AI Applications in Various Industries and Sectors	Innovation Inclusivity



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **6**

	development					<p>present their findings on assigned IoT application topics.</p> <ol style="list-style-type: none"> <li>1) Media, Marketing and Advertising;</li> <li>2) Environmental Monitoring;</li> <li>3) Manufacturing Applications;</li> <li>4) Healthcare Applications;</li> <li>5) Building House Application;</li> <li>6) Transportation Application;</li> <li>8) Education Application;</li> <li>9) Government Application;</li> <li>10) Law Enforcement Applications</li> </ol>		
8-9 (6 hrs)	Critically evaluate the advantages and disadvantages of IoT applications in different.			2	Reflection Paper on the laws related to cyber security, privacy, and anti-plagiarism (e.g. Data Privacy Act; Intellectual Property Laws)	Film/Video showing on the advantages and disadvantages of IoT applications in different sectors	Pros and Cons of IoT and AI applications in different sectors	Honesty Respect



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **7**

						Guided class discussion on the importance of not violating confidential information and to not commit any act of plagiarism		
10	<b>MIDTERM EXAMINATION</b>							
11-12 (6hrs )	Demonstrate understanding on the recent legal cases and jurisprudence to reflect on moral norms, ethical standards and practices related to IoT security and privacy			3	Reflection Paper on the laws related to cyber security, privacy, and anti-plagiarism (e.g. Data Privacy Act; Intellectual Property Laws)	Presentation of legal cases on cyber security, privacy, and anti-plagiarism (e.g. Data Privacy Act; Intellectual Property Law)	Laws related to cyber security and privacy e.g. Data Privacy Act; and Intellectual Property Law	Honesty Humanity Respect
13-14 (6hrs )	Develop entrepreneurial capabilities focusing on IoT solutions to transform into smart cities		2		Impact Analysis Report on the Innovation in IoT Application	Structured learning exercises on the innovation on IoT solutions	Innovation in IoT Application	Innovation Inclusivity
15 (3hrs )	Create a draft proposal paper that designs and implements IoT solutions by collaborating with stakeholders contribute meaningfully to the country's development		2		Proposed IoT Solution Paper: Submission of a draft copy of Proposed IoT Solution Paper following the format provided	Lecture-workshop in crafting practical IoT Solutions	Designing and Developing IoT Solution	Innovation Mission Drivenness
16-17 (6hrs )	Develop a comprehensive proposal paper that designs and implements IoT		3		Submission of the Final IoT Solution Project with a	Collaborative Work: Designing and	Final IoT Solution Project	Innovation Mission Drivenness



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>8</b>

)	solutions to contribute meaningfully to the country's development				Comprehensive Manual	Developing IoT Solution		
18	<b>FINAL EXAMINATION</b>							

**Suggested Reading and References (APA 7<sup>th</sup> Edition Format)**

Dian, F. (2020).IoT use cases and technologies. British Columbia Institute of Technology.  
 Pomperada, J. (2023).Introduction to Application Development & Emerging Technologies.  
 Cortez, D. (2023).Information Management .  
 Pomperada, J. (2023).Introduction to Cybersecurity.  
 3G E-LEARNING. (2024).Basic of Cloud Computing. 3G E- Learning LLC.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **9**

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
<b>1.0</b>	A+	100-95%	Excellent
<b>1.1 - 1.5</b>	A	94-90%	Superior
<b>1.6 - 2.0</b>	B+	89-85%	Very Good
<b>2.1 - 2.5</b>	B	84-80%	Good
<b>2.6 - 2.9</b>	B-	79-76%	Fair
<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn
<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>10</b>

## COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>11</b>

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	OBE Framework
b. Version Number (optional)	4
c. Revision Dates	January 2024, June 2024, July 2024, August 2024
d. Prepared by	Mrs. Jeany Mae Macalam-Manlunas
e. Reviewed by	Mr. Mark P. Janubas, Program Head for General Education/ Dr. Kurt S. Candilas, Dean, College of Arts and Sciences
f. Approved by	Dr. Liza A. Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academic Affairs

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**Mrs. Jeany Mae Macalam-Manlunas**  
**Instructor**

Received by:  <b><u>MARK P. JANUBAS, MAEd</u></b>	Reviewed by:  <b><u>KURT S. CANDILAS, Ph.D.</u></b>	Recommended by:  <b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	Approved by:  <b><u>MA. AIRA CHENESSA B. AGUILAR, Ed.D.</u></b>
<b>Program Head for General Education</b>	<b>Dean for College of Arts and Sciences</b>	<b>Dean for Curriculum and Instruction</b>	<b>Vice President for Academics</b>



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>12</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	
Semester/Term :	
Revision Date:	
Page	

### COURSE DETAILS

Course Code:	<b>GEC 8</b>	Instructor:	TBA
Course Title:	<b>ETHICS</b>	Consultation Hours:	TBA
Credit Units:	<b>3</b>	Contact Details:	TBA
Prerequisite(s):		Number of Hours:	<b>54</b>

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

### INSTITUTIONAL LEARNING OUTCOMES

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

### DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES

CAS Vision	CAS Mission	CAS Core Values
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

### PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)

		Graduate Attributes				
		1	2	3	4	5
Creativity	PEO1. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PEO2. develop citizens to be God-fearing individuals; and,			/	/	/
Social Consciousness	PEO3. shape citizens who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

PROGRAM INTENDED LEARNING OUTCOMES	GENERAL EDUCATION OUTCOMES	PHILIPPINE PRESS INSTITUTE
<p>2. Demonstrate a strong commitment to <b>communicate in different formats and platforms (print, broadcast, and online)</b> to address complex issues and creating positive societal impacts. (ILO2; PE03; GEO-IC 1.2; GEO-PCR 2.6)</p> <p>8. <b>Adhere to ethical standards and practices</b> in addressing complex issues. (ILO2; PE03; GEO-IC 1.5)</p>	<p><b>2. Personal and civic responsibilities (PCR)</b></p> <p>2.1 Appreciation of the human condition</p> <p>2.2 Capacity to personally interpret the human experience</p> <p>2.3 Ability to view the contemporary world from both Philippine and global perspectives</p> <p>2.4 Self-assuredness in knowing and being Filipino</p> <p>2.5 Capacity to reflect critically on shared concerns and think of innovative, creative solutions guided by ethical standards</p> <p>2.6 Ability to reflect on moral norms/imperatives as they affect individuals and society</p> <p>2.7 Ability to appreciate and contribute to artistic beauty</p> <p>2.8 Understanding and respect for human rights</p> <p>2.9 Ability to contribute personally and meaningfully to the country's development.</p>	<p><b>2.</b> Uphold the confidentiality of information on material given in the exercise of one's calling.</p> <p>8. Display capacity to presume persons accused of crimes to be innocent until proven guilty, and exercise caution when publishing names of minors and women involved in criminal cases to protect their social standing.</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

### COURSE DESCRIPTION

Ethics is a general education three-unit course which aims to develop student's understanding of ethics and moral reasoning through the study of various theoretical perspectives and systematic reflection on the moral experiences that form the substance of everyday life. This course locates the sources of moral experiences within our culture, society, religion, individual experiences and our relationship with nature, which lead to the development of higher levels of comprehension and the capacity to reflect critically on shared concerns and think of innovative, creative solutions guided by ethical standards (GO 1.1& 2.5). Thus, students will be equipped how to achieve fair and honest methods in obtaining news, photographs, and/or documents, and uphold the confidentiality of information on material given in the exercise of one's calling (PPI 3, 2).

COURSE OUTCOMES	MAPPED PILO	MAPPED GENERAL EDUCATION OUTCOMES	MAPPED PHILIPPINE PRESS INSTITUTE
<b>CILO1:</b> develop a comprehensive understanding of various theoretical perspectives on ethics, including their historical context and contemporary relevance;	PILO 8	GEC PCR 2.5 GEC PCR 2.6	PPI 9 PPI 7
<b>CILO2:</b> collaborate effectively in multidisciplinary and multicultural teams to analyze and evaluate moral experiences, recognizing the diverse cultural, social, and individual factors that shape them;	PILO 2	GEC PCR 2.7 GEC PS 3.1	PPI 1
<b>CILO3:</b> actively engage in reflective practices to recognize and internalize personal and societal ethical responsibilities, demonstrating an understanding of professional, social, and ethical obligations;	PILO 8	GEC PCR 2.2 GEC PCR 2.6	PP1 9
<b>CILO4:</b> critically analyze moral norms and imperatives as they apply to individuals and society, reflecting on their impact on personal conduct and societal development; and	PILO 8	GEO PCR 2.2 GEO PCR 2.7	PP1 9



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	
Semester/Term :	
Revision Date:	
Page	

<p><b>CILO5:</b> apply ethical standards and principles creatively and innovatively to propose solutions to complex moral challenges, demonstrating the ability to contribute meaningfully to personal and societal development.</p>	<p>PILO 8</p>	<p>GEO PCR 2.5          GEO PCR 2.9  <b>GEO PCR 2.6</b></p>	<p>PPI 9          PPI 7</p>
--	---------------	---	---------------------------------

Time Frame	Learning Competencies	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed 2: Moderately Addressed 1: Slightly Addressed						
		CO1	CO2	CO3				
Week 1-2	Explain the key concepts used in the study of ethics	3	2		Multiple-choice quiz, short answer questions, essay	Lectures, class discussions, case studies, debates, group work	THE MORAL AGENT Unit 1: Key concepts	Humanity, Innovation
	Describe a moral experience				Reflective journal, oral presentation, storytelling	Personal anecdotes, role-playing, simulations, interviews, films	Unit 2: Moral standards, moral experience, moral dilemmas, and freedom	
Week 3-4	Recognize a moral dilemma	2			Case studies, role-playing, scenarios	Problem-based learning, group discussions, critical thinking exercises	Unit 3: Culture, cultural relativism, Filipino way, and universal values	
	Explain the influence of culture to one's moral perspective				Comparative analysis, essay, presentation	Cross-cultural studies, guest lectures, cultural immersion activities, field trips		
	Propose a plan on how to use the strengths of the Filipino character in community-building.				Project proposal,	Community outreach activities, service		



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

						learning projects, group projects, case studies of successful Filipino community initiatives		
Week 5	<b>PRELIM EXAMINATION</b>							
Week 6- 7	Examine daily responses to situations in terms of its connection with each stage in moral development.  Demonstrate the influence of feelings to human decisions and actions.				role-playing, reflective journals	discussion of real-world examples, personal anecdotes, moral dilemma analysis	Unit 4: How is moral character developed?  Unit 5: Stages of moral development  THE ACT Unit 6: Feelings and moral decision making	Excellence, Humanity, Innovation
8-9	Analyze the effect of immediate actions that come as a result of acting with the feelings  Organize the process of moral deliberation given a moral dilemma  Explain the role of moral courage in making moral decisions	3	3	2	Reflective journal, case analysis, role-playing  Flowchart, decision tree, moral dilemma analysis	discussion of personal experiences, moral dilemmas with emotional components  case studies, group discussions, debate,	Unit 7: The seven-step moral reasoning model  Unit 8: Moral courage	Excellence, Humanity, Innovation



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

					Case studies, role-playing, interviews	Moral courage stories, ethical dilemmas with high stakes, discussions on overcoming fear, ethical leadership		
10	<b>MIDTERM EXAMINATION</b>							
Week 11	Distinguish the moral perspective on virtue of St. Thomas with that of Aristotle  Justify moral decisions in the context of St. Thomas and Aristotle.		3	3	Comparative analysis essay Debate or discussion	Comparative analysis of key texts (e.g., Aristotle's Nicomachean Ethics, St. Thomas' Summa Theologica) <b>Class discussions</b> on the similarities and differences between their approaches	FRAMEWORKS AND PRINCIPLES BEHIND OUR MORAL DISPOSITION FRAMEWORKS  Unit 9: Virtue ethics: Aristotle and St. Thomas Aquinas	Creativity  Excellence
Week 12-13	Debate on the theories of Kant and Bentham and Mill				Debate or discussion Argumentative essay	Lecture on the key concepts of Kant's deontology, Bentham's utilitarianism, and Mill's utilitarianism	Unit 10: Kant and Rights Theorists  Unit 11: Utilitarianism	
Week 14	Critique community social issues with the use of justice from the perspectives of John Rawls				Case study analysis Argumentative essay	Case studies of specific social problems (e.g., inequality, poverty, discrimination) analyzed through the	Unit 12: Justice as fairness: promoting the common good	



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

Revision Date:

Page

						lens of Rawls' theory Group discussions on the strengths and weaknesses of Rawls' approach to justice		
Weeks 15-17	<p>Compare and contrast the globalist and anti-globalist perspectives</p> <p>Examine the moral issues regarding pluralism</p> <p>Propose an action to address the issues faced by Filinnials</p> <p>Define the relationship between ethics and religion</p>	3	2		<p>Concept map or Venn diagram</p> <p>Case study analysis</p> <p>Argumentative essay</p> <p>Policy analysis</p> <p>Project proposal</p>	<p>Group discussions on the benefits and drawbacks of globalization</p> <p>Debates or role-playing exercises to simulate discussions between globalists and anti-globalists</p> <p>Group work on developing policy proposals or action plans to address these issues</p>	<p>ETHICS THROUGH THICK AND THIN; ETHICS AND RELIGION</p> <p>Unit 13 Globalization and pluralism</p> <p>Unit 14 Challenges of Filinnials; Role of religion in ethics</p>	<p>Innovation</p> <p>Adaptability</p>
18	<b>FINAL EXAMINATION</b>							



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term  
 :

Revision Date:

Page

### Suggested Reading and References (APA 7<sup>th</sup> Edition Format)

Ang, J. (2023). Ethics 101. Mindshapers Co., INC.  
 Bacolod, M. (2023). Ethics. Unlimited Books Library Services Publishing INC  
 Bulang, O. (2021). Ethics. Rex Bookstore.  
 De Guzman, J. (2023). Ethics. Mutya Publishing House, INC.  
 Umali, V. (2023). Introduction to Ethics. Books Atbp. Publishing Corp.

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
1.0	A+	100-95%	Excellent
1.1 - 1.5	A	94-90%	Superior
1.6 - 2.0	B+	89-85%	Very Good
2.1 - 2.5	B	84-80%	Good
2.6 - 2.9	B-	79-76%	Fair
3.0	C	75%	Passed
3.1 - 4.0			Conditioned
5.0	C-	74% and below	Failed
W			Withdrawn
NC			No Credit
INC			Incomplete
D			Dropped



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

:

Revision Date:

Page



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

:

Revision Date:

Page

## COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term  
 :

Revision Date:

Page

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	OBE Framework
b. Version Number (optional)	4
c. Revision Dates	January 2024, June 2024, July 2024, August 2024
d. Prepared by	Mrs. Ma. Katerina F. Janubas
e. Reviewed by	Mr. Mark P. Janubas, Program Head for General Education/ Dr. Kurt S. Candilas, Dean, College of Arts and Sciences
f. Approved by	Dr. Liza A. Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academics

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**Mrs. Ma. Katerina F. Janubas**  
**Instructor**

Received by:  <b><u>MARK P. JANUBAS, MAEd</u></b>	Reviewed by:  <b><u>KURT S. CANDILAS, Ph.D.</u></b>	Recommended by:  <b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	Approved by:  <b><u>MA. AIRA CHENESSA B. AGUILAR, Ed.D.</u></b>
---	---	--	---



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:

Semester/Term

:

Revision Date:

Page

**Program Head for General Education**

**Dean for College of Arts and Sciences**

**Dean for Curriculum and Instruction**

**Vice President for Academics**



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>1</b>

### COURSE DETAILS

Course Code:	<b>GEC 7</b>	Instructor:	Ma. Katerina Fernan-Janubas
Course Title:	<b>Science, Technology, and Society</b>	Consultation Hours:	Fridays, 2:00 PM -3:00 PM
Credit Units:	<b>3</b>	Contact Details:	mkjnbs86@gmail.com
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>2</b>

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*

### INSTITUTIONAL LEARNING OUTCOMES

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

### DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES

CAS Vision	CAS Mission	CAS Core Values
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

### PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)

	Program Educational Objectives	Graduate Attributes				
		1	2	3	4	5
Creativity	PEO1. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PEO2. develop citizens to be God-fearing <b>individuals</b> ; and,			/	/	/
Social Consciousness	PEO3. shape <b>citizens</b> who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>3</b>

**PROGRAM INTENDED LEARNING OUTCOMES**

**GENERAL EDUCATION OUTCOMES**

**PHILIPPINE PRESS INSTITUTE**



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>4</b>

2. Demonstrate a strong commitment to **communicate in different formats and platforms (print, broadcast, and online)** to address complex issues and creating positive societal impacts. (ILO2; PEO3; GEO-IC 1.2; GEO-PCR 2.6)

4. Apply holistic approach in **conducting communication and media research and evaluation** to develop data-driven solutions with a significant community impact. (ILO 4; PEO1; GEO-IC 1.4; GEO-IC 1.5)

5. **Develop and produce communication materials in different formats and platforms** to collaborate with stakeholders in addressing local needs and create positive change. (ILO5; PEO1; GEO-IC 1.1; GEO-PCR 2.9)

8. **Adhere to ethical standards and practices** in addressing complex issues. (ILO2; PEO3; GEO-IC 1.5)

11. Demonstrate a strong commitment in the **application of communication theories/models, principles, practices, and tools in development work** to address complex issues and to create positive societal impacts. (ILO2; PEO3;

**1. Intellectual competencies (IC)**

1.2 Proficient and effective communication (writing, speaking, and use of new technologies)

1.3 Understanding of basic concepts across the domains of knowledge

1.4 Critical, analytical, and creative thinking

1.5 Application of different analytical modes (quantitative and qualitative, artistic and scientific, textual and visual, experimental, observation, etc.) in tackling problems methodically

**2. Personal and civic responsibilities (PCR)**

2.3 Ability to view the contemporary world from both Philippine and global perspectives

2.6 Ability to reflect on moral norms/imperatives as they affect individuals and society

2.9 Ability to contribute personally and meaningfully to the country's development.

1. Demonstrate the ability to report and interpret the news, taking care not to suppress essential facts nor to distort the truth by omission or improper emphasis, and recognize the duty to air the other side and the duty to correct substantive errors promptly

4. Refrain from writing reports which will adversely affect a private reputation unless the public interest justifies it and write vigorously for public access to information, as provided for in the constitution

5. Demonstrate ability to perform duties without allowing personal motives or interests to influence the performance of duties

6. Reflect critically to not commit any act of plagiarism

7. Respect individuals' dignity and never ridicule, cast aspersions on, or degrade any person by reason of sex, creed, religious belief, political conviction, cultural and ethnic origin

10. Exhibit capacity to accept only tasks that are aligned with the integrity and dignity of the journalism profession, invoking the "conscience clause" when duties conflict with moral principles



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>5</b>

GEO-PS 3.5; GEO-PCR 2.9)		11. Conduct oneself in public or while performing duties as a journalist in such a manner as to maintain the dignity of the profession.
--------------------------	--	---

**COURSE DESCRIPTION**

This course is designed to enable students to appreciate, in broad terms, the societal impacts of development in science and technology at the global and national level. This includes the review of the history of science and technology globally-from the prehistoric era all the way to today's advances in science and technology-and similarly in the Philippines, including science policy. The historical survey which is grounded on an understanding of basic science concepts, will examine how these developments have affected the course of human society: politically, economically, socially and culturally. The second part of the course focuses on current issues arising from the application of science and technology, how such applications relate to ethical and political decisions in both the public and private sector, and their effects on society and life in general. The course entails a variety of readings, group discussions, and research, culminating in a presentation of findings regarding a particular issue.

<b>COURSE OUTCOMES</b>	<b>MAPPED PILO</b>	<b>MAPPED GENERAL EDUCATION OUTCOMES</b>	<b>MAPPED PHILIPPINE PRESS INSTITUTE</b>
CILO1: Analyze the historical development of science and technology globally and in the Philippines, demonstrating an understanding of basic concepts, critical and analytical thinking, and the ability to report and interpret impacts on political, economic, social, and cultural aspects from both	<b>PILO 4, 11</b>	IC 1.3, IC 1.4, PCR 2.3	Standard 1, 4, 5



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>6</b>

Philippine and global perspectives while respecting individuals' dignity and cultural origins.			
CILO2: Critically evaluate current issues related to the application of science and technology by applying different analytical modes, reflecting on moral norms/imperatives, ensuring that the analysis does not distort the truth by omission, and demonstrating the ability to perform duties without allowing personal motives or interests to influence the assessment of these developments on public and private sectors.	<b>PILO 2,8</b>	IC 1.5, PCR 2.6, PCR 2.9	Standard 5,7,10
CILO3: Develop and present well-researched insights on contemporary issues arising from scientific and technological advancements, utilizing proficient and effective communication, working effectively in a group, ensuring that reports do not adversely affect private reputations unless justified by public interest, and upholding the integrity and dignity of the journalism profession.	<b>PILO 5</b>	IC 1.2	Standard 1, 6, 11



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>7</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed 2: Moderately Addressed 1: Slightly Addressed						
		CO1	CO2	CO3				
Wk. 1 (1.5 hrs.)	GTKY Orientation on Mission, Vision, Core Values, Graduate Attributes RISE Agenda							
Wk. 2-3 (4.5 hrs.)	Evaluate the impact of specific ancient and medieval technologies like the heavy plow, mechanical clock, eyeglasses, and gunpowder on social, economic, and cultural change.	3	2	1	a short essay (1-2 pages) evaluating the impact of one of the following ancient or medieval technologies: the heavy plow, mechanical clock, eyeglasses, or gunpowder.	Create a timeline illustrating the social, economic, and cultural impacts of ancient and medieval technologies such as the heavy plow, mechanical clock, eyeglasses, and gunpowder.	Ancient and Medieval Science and Technology	Humanity
	Evaluate the role of key figures like Copernicus, Galileo, Kepler, and Newton in shaping the Scientific Revolution and their contributions to various fields of science.	3	2	1	Write a brief essay evaluating the contributions of key figures in the Scientific Revolution and analyzing the conflict between their findings and the teachings of the	Lecture and Group presentation on the role of key figures like Copernicus, Galileo, Kepler, and Newton in shaping the Scientific Revolution and their contributions to various fields of science.	The Renaissance and the Scientific Revolution	Adaptability



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>8</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
					Catholic Church.			
Wk. 3 - 4 (6 hrs.)	Analyze the confrontation between the findings of the Scientific Revolution and the teachings of the Catholic Church and explain the Church's opposition to these new ideas.  Design an experiment given a set of variables	3	2	1	<p>short essay (1-2 pages) analyzing the confrontation between the findings of the Scientific Revolution and the teachings of the Catholic Church.</p> <p>Students should explain the Church's opposition to these new ideas and reflect on the impact of this conflict on the development of scientific thought.</p> <p>Experimental design project</p>	<p>Interactive Lecture: an overview of the Scientific Revolution and the Catholic Church's teachings, highlighting key figures and conflicting views using visual aids</p> <p><b>Group Discussion:</b> Assign small groups to discuss specific case studies, focusing on the main points of conflict and sharing findings with the class.</p> <p>Hands-on experiments in class, Lab sessions with guided instructions, Interactive simulations. Resources: Lab equipment, simulation software.</p>	<p>The Renaissance and the Scientific Revolution</p> <p>The Scientific Method</p>	
				3				



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>9</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
Wk. 5	<b>PRELIM EXAMINATION</b>							
Wk. 6-7 (6 hrs.)	Analyze the impact of key technological innovations of the Industrial Revolution, including the steam engine, factories, and railroads.	3	2	1	<p>Reflection paper on the overall impact of these innovations on the Industrial Revolution and their lasting legacy.</p> <p>Timeline project, Quiz on key innovations.</p> <p>Group analysis report, Case study reflection paper.</p>	<p>Lecture on Enlightenment ideas, Readings from Enlightenment thinkers, Group discussions on values. Resources: Enlightenment texts, discussion guides.</p> <p>Interactive timeline creation, Lecture on Industrial Revolution innovations, Video documentaries. Resources: Interactive tools, documentaries.</p> <p>Group analysis activities, Case study discussions, Readings on industrialization impacts. Resources: Case studies, scholarly articles.</p>	The Enlightenment and the Industrial Revolution	Humanity
	Analyze the social and economic impacts of industrialization, such as	3	2	1			Science and Technology in	



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>10</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
	urbanization, the rise of the middle class, and the exploitation of workers.						the 19 <sup>th</sup> century	
8-9 (7.5 hrs.)	Evaluate the major technological innovations of the Industrial Revolution, such as the steam engine, factories, and railroads, and explain their economic and social impacts.	3	2	1	Detailed analytical essay (3-4 pages) evaluating the key figure's contributions,	Lecture on modern science developments, Primary source readings, Group presentations on key figures. Resources: Primary texts, presentation materials.	The Rise of Modern Science and Technology	Adaptability
	Critically assess the ethical and environmental consequences of the unchecked application of science and technology during the 19th century.	2	3	2	Case study analysis paper, Group discussion summary.	Case study analysis activities, Group discussions on ethical consequences, Readings on historical examples. Resources: Case studies, scholarly articles.	Big Science and The Post-Industrial Society  The Information	Stewardship



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>11</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
							Age	
Wk. 10	<b>MIDTERM EXAMINATION</b>							
11-13 (9 hrs.)	Analyze the specific roles of the Philippine government in enhancing and improving the quality of science and technology, such as improving science education, expanding scholarship programs, raising research spending, and	2	3	2	Policy analysis paper, Group discussion summary.  Case study analysis paper, Debate summary and reflection.	Lecture on Philippine government roles, Group discussions on policy impacts, Readings on government programs.  Case study analysis activities, Group debates on policy effectiveness, Readings on market failures and regulations. Resources: Case studies, scholarly articles.	Government's Role and the Impact of Science and Technology	Innovation
	Explain the key biological and physical	2	2			Lecture on biological and physical systems, Group discussions on social	Biological and	



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>12</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
	<p>systems that interact with and are influenced by social contexts, such as ecosystems, energy systems, and human health systems.</p> <p>Evaluate how government policies and regulations can address market failures and align private incentives with societal imperatives to produce sustainable outcomes in areas like energy and the environment.</p>			3	<p>Reflection essay on ethical issues.</p> <p>Group presentation on their evaluation of a selected government program or project</p>	<p>context influences, Interactive activities on system interactions. Resources: Interactive tools, scholarly articles.</p> <p>Lecture on the Science Act of 1958 and other key policies, Group discussions on their impacts, Readings from policy documents</p>	<p>Physical Systems and the Social Context Within which they occur</p> <p>Science and Technology in the Philippines</p>	<p>Adaptability</p> <p>Stewardship</p>
Wk. 14-15 (6 hrs.)	Assess the importance of government policies related to educating the public, issuing patents, and developing human capital in the science and technology domains.	2	3	2	Group presentation of their evaluation of the importance of government policies related to educating the public	Seminar on the importance of policies, Group discussions on public education and patents, Readings from policy documents	Exploring the frontiers of Biotechnology	Stewardship



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>13</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
	Explain the key linkages between climate change and disaster risk, including how climate change alters the frequency, intensity, duration and timing of extreme weather and climate events.	2	2	3	Group project presentation on a DRR strategy, Case study report	Lecture on climate change and disaster risk, Group discussions on key linkages, Readings on climate events	Climate Change	Adaptability
Wk. 16-17 (6 hrs.)	Analyze case studies of communities that have successfully integrated DRR and climate change adaptation to build resilience.	2	2	3	Case study analysis paper, Group discussion summary	Sample case study analysis on successful communities, Group discussions on integration strategies, Readings on community resilience	Future of the Internet and Disaster Risk Reduction	Humanity
	Explain the fundamental principles and concepts underlying nanoscience and nanotechnology, including the unique properties of materials at the	2	2	3	Group discussion on nanoscience principles, Interactive activity report	Lecture on nanoscience principles, Interactive activities on nanoscale properties, Readings on nanotechnology basics	Nanoscience and Nanotechnology	Innovation



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>14</b>

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed						
		2: Moderately Addressed						
1: Slightly Addressed								
		CO1	CO2	CO3				
	nanoscale.  Critically evaluate the ethical challenges posed by AI in different sectors such as healthcare, finance, and transportation, and propose strategies to mitigate associated risks.	2	3	2	Evaluate a specific ethical challenge in AI within one sector and propose mitigation strategies.	Lecture on ethical challenges in AI with real-world examples from healthcare, finance, and transportation.  Group discussions and debates on ethical dilemmas in AI.  Case study analysis of ethical issues in AI.	Artificial Intelligence: Boon and Bane	Adaptability
Wk. 18	<b>FINAL EXAMINATION</b>							



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>15</b>

### Suggested Reading and References (APA 7<sup>th</sup> Edition Format)

1. Almarez, D. (2024). Science Technology, and Society. Mutya Publishing Hou
2. Magalona, E., Sadsad, E. & Cruz, E. (2020). Science, Technology & Society. Mindshapers Co.,INC. Co., INC
3. Quinto, E. (2024). Science & Technology & Society An eveidence - Driven Outcome-based Module. C&E Publishing.
4. TaboTabo, C. (2023). Science, Technology & Society. Mindshapers Co.,INC. Co., INC
5. Unday, J. (2024). Science Technology, and Society. Mutya Publishing House, INC.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>16</b>

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
<b>1.0</b>	A+	100-95%	Excellent
<b>1.1 - 1.5</b>	A	94-90%	Superior
<b>1.6 - 2.0</b>	B+	89-85%	Very Good
<b>2.1 - 2.5</b>	B	84-80%	Good
<b>2.6 - 2.9</b>	B-	79-76%	Fair
<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn
<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>17</b>

## COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
 CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>18</b>

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	<b>OBE Framework</b>
b. Version Number (optional)	<b>4</b>
c. Revision Dates	<b>January 2024, June 2024, July 2024, August 2024</b>
d. Prepared by	<b>Mrs. Ma. Katerina F. Janubas</b>
e. Reviewed by	<b>Mr. Mark P. Janubas, Program Head for General Education</b>
f. Approved by	<b>Liza A. Chua, DevEdD, PhD, Dean for College of Technology Education</b>
g. Submitted to	<b>Kurt S. Candilas, PhD, Vice President for Academics</b>

*Proof of Dissemination:*

\_\_\_\_\_  
 Name of Student and Signature

Prepared by:

**Ma. Katerina F. Janubas, MAED, LPT**  
 Instructor

Received by:  <b><u>MARK P. JANUBAS, MAEd</u></b>	Reviewed by:  <b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	Approved by:  <b><u>KURT S. CANDILAS, Ph.D.</u></b>
<b>Program Head for General Education</b>	<b>Dean for College of Technology Education</b>	<b>Vice President for Academics</b>



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*  
**COLLEGE OF TECHNOLOGY EDUCATION**  
**Bachelor of Special Needs Education- Generalist**  
CHED Memo Order No. 77, series of 2017 Effective School Year 2025-2026

Academic Year:	<b>2025-2026</b>
Semester/Term:	<b>THIRD YEAR - FIRST SEMESTER</b>
Revision Date:	<b>May 6, 2025</b>
Page	<b>19</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

### COURSE DETAILS

Course Code:	<b>GEC 114</b>	Instructor:	Mr. Mark P. Janubas
Course Title:	<b>Mathematics in the Modern World</b>	Consultation Hours:	Friday, 2:00 – 4:00 P.M.
Credit Units:	<b>3</b>	Contact Details:	mjanubs@gmail.com
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

### INSTITUTIONAL LEARNING OUTCOMES

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

### DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES

CAS Vision	CAS Mission	CAS Core Values
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

### PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)

		Graduate Attributes				
		1	2	3	4	5
Creativity	PEO1. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PEO2. develop citizens to be God-fearing <b>individuals</b> ; and,			/	/	/
Social Consciousness	PEO3. shape <b>citizens</b> who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

PROGRAM INTENDED LEARNING OUTCOMES	GENERAL EDUCATION OUTCOMES	PHILIPPINE PRESS INSTITUTE
<p>1. Apply innovative problem-solving techniques in <b><i>defining and accessing information needs; assessing and organizing information and knowledge; producing, sharing, and utilizing information and knowledge</i></b> to embrace change effectively. (ILO1; PE03; GEO-PS 3.4; GEO-IC 1.5)</p>	<p><b>1. Intellectual competencies (IC)</b>            1.5 Application of different analytical modes (quantitative and qualitative, artistic and scientific, textual and visual, experimental, observation, etc.) in tackling problems methodically</p> <p><b>2. Personal and civic responsibilities (PCR)</b>            2.7 Ability to appreciate and contribute to artistic beauty</p> <p><b>3. Practical skills (PS)</b>            3.4 Problem-solving (including real-world problems)</p>	<p><b>1.</b> Demonstrate the ability to report and interpret the news, taking care not to suppress essential facts nor to distort the truth by omission or improper emphasis, and recognize the duty to air the other side and the duty to correct substantive errors promptly</p>

### COURSE DESCRIPTION

The course begins with an introduction to the nature of mathematics as an exploration of patterns (in nature and the environment) and as an application of inductive and deductive reasoning. By exploring these topics, students are encouraged to go beyond the typical understanding of mathematics as merely a bunch of formulas, but as a source of aesthetic in patterns of nature, for example, and a rich language itself (and of science) governed by logic and reasoning.

The course then proceeds to survey ways in which mathematics provides a tool for understanding and dealing with various aspects of present daily living, such as managing personal finances, making social choices, appreciating geometric designs, understanding codes used in data transmission and security, and dividing limited resources fairly. These aspects will provide opportunities for actually doing mathematics in a broad range of exercises that bring out the various dimensions of mathematics as a way of knowing and test the students understanding and capacity.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

COURSE OUTCOMES	MAPPED PILO	MAPPED GENERAL EDUCATION OUTCOMES	MAPPED PHILIPPINE PRESS INSTITUTE
<p><b>CILO1:</b> Analyze patterns, structures, and relationships in nature, society, and various disciplines, and apply mathematical language, logic, and problem-solving strategies to model and solve real-life problems.</p>	<p>PILO 1</p>	<p>GEO 3.4</p>	<p>PPI 1</p>
<p><b>CILO2:</b> Collect, organize, and interpret quantitative data using appropriate statistical tools and presentation methods to draw valid conclusions and support sound decision-making.</p>	<p>PILO 1</p>	<p>GEO 1.5</p>	<p>PPI 1</p>
<p><b>CILO3:</b> Apply mathematical concepts to practical contexts such as research and financial decision-making, demonstrating ethical practice, critical thinking, and clear communication of results.</p>	<p>PILO 1</p>	<p>GEO 2.7</p>	<p>PPI 1</p>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2025 - 2026</b>
Semester/Term :	<b>First</b>
Revision Date:	<b>August 14, 2025</b>
Page	

Time Frame	Learning Outcomes	CO Mapping			Assessment Tasks	Teaching and Learning Activities	Learning Content	Values Integration
		3: Substantially Addressed 2: Moderately Addressed 1: Slightly Addressed						
		CO1	CO2	CO3				
Wk. 1 (0.5 hr.)	GTKY Orientation on Mission, Vision, Core Values, Graduate Attributes RISE Agenda							
Week 1	Analyze patterns, regularities, and numerical sequences observed in nature and the world, and critically evaluate their significance in scientific, artistic, and practical applications.	✓			Identification and Analysis of Patterns and Numbers in nature and in the world  Synthesis paper on significance of the patterns in terms of practical application  Research and Presentation on Fibonacci Sequence and Applications	Interactive discussion and presentation  Group discussions on patterns and numbers in nature and the world	Chapter 1: Mathematics in our World <ul style="list-style-type: none"> <li>• Patterns and Numbers in Nature and in the World</li> <li>• Fibonacci Sequence</li> <li>• Patterns and Regularities in the World</li> <li>• Applications of Mathematics in the World</li> </ul>	Mission Drivenness Innovation, Excellence



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

Week 2	Use mathematical language to accurately construct and interpret mathematical expressions and sentences, ensuring clarity, logical consistency, and symbolic correctness in representing real-life and mathematical situations.	✓			<p>Definition &amp; Identification Quiz          Students define key terms (mathematical language, expressions, sentences) and identify them from given examples.</p> <p>Verbal Expressions/Sentences-to-Mathematical Symbols Conversion Task</p> <p>Real-Life Modeling Activity          Students create mathematical expressions and sentences to model given real-world scenarios (e.g., calculating total costs, representing relationships between quantities).</p> <p>Error Analysis Exercise          Students analyze faulty expressions or sentences, identify the errors, and provide corrected versions.</p>	<p>Interactive Discussions</p> <p>Guided Practice</p> <p>Contextual Modeling Activity</p> <p>Collaborative Error Hunt</p> <p>Peer Review</p>	<p>Chapter 2: Mathematical Language and Symbols</p> <ul style="list-style-type: none"> <li>Mathematical Expressions and Sentences</li> </ul>	Excellence, Honesty, Respect
Week 3	Explain the fundamental concepts of sets, including their definitions, classifications, and various representations, and apply set	✓			<p>Concept Quiz          Multiple-choice and short-answer questions on definitions of sets, set</p>	<p>Interactive Discussion</p> <p>Guided Practice</p>	<p>Chapter 2: Mathematical Language and Symbols</p>	Excellence, Innovation, Adaptability



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2025 - 2026</b>
Semester/Term :	<b>First</b>
Revision Date:	<b>August 14, 2025</b>
Page	

	<p>notation and operations to describe and solve problems in mathematical and real-life contexts.</p>				<p>notation, and classifications (e.g., finite, infinite, null, universal, equal, equivalent).</p> <p>Representation Task        Students represent sets using roster, set-builder, and verbal methods given specific descriptions.</p> <p>Set Operations Problem Set        Students solve problems involving union, intersection, difference, and complement using given sets.</p> <p>Real-Life Application Activity        Students model a real-world classification problem (e.g., survey results, group memberships) using sets and solve using appropriate operations.</p> <p>Venn Diagram Construction Task        Students illustrate given relationships between sets</p>	<p>Hands-On Group Work        Real-World Data Exercise</p> <p>Interactive Diagramming</p>	<ul style="list-style-type: none"> <li>• Sets</li> </ul>	
--	---	--	--	--	---	---	--	--



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

					using Venn diagrams, labeling all regions accurately.			
Week 4	Apply the basic concepts of elementary logic, including propositions, logical connectives, truth tables, and rules of inference, to construct and evaluate arguments for validity and soundness in mathematical and real-life contexts.	✓			<p>Concept Identification Quiz          Students define and identify propositions, logical connectives, and related terms.</p> <p>Truth Table Construction Exercise          Students create truth tables for given compound propositions to determine their truth values.</p> <p>Rules of Inference Application Task          Students evaluate arguments using valid rules of inference and identify invalid reasoning patterns.</p> <p>Argument Evaluation Activity          Students analyze real-life arguments (e.g., from advertisements, debates) and determine their validity using logical tools.</p>	<p>Interactive Discussion</p> <p>Guided Truth Table Practice</p> <p>Group Rule Application Exercise</p> <p>Real-World Logic Analysis</p>	<p>Chapter 2:          Mathematical Language and Symbols</p> <ul style="list-style-type: none"> <li>Elementary Logic</li> </ul>	Honesty, Excellence, Respect



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2025 - 2026</b>
Semester/Term :	<b>First</b>
Revision Date:	<b>August 14, 2025</b>
Page	

Wk. 5	PRELIM EXAMINATION							
Week 6-7	Apply Polya's four-step problem-solving process—understanding the problem, devising a plan, carrying out the plan, and looking back—to solve mathematical and real-life problems effectively.	✓			<p><b>Guided Problem-Solving Worksheet</b>            Students solve structured problems with prompts for each of Polya's steps, writing their thought process for each step.</p> <p><b>Real-Life Problem Modeling Task</b>            Students choose a real-life issue (e.g., budgeting, scheduling, planning), apply Polya's four steps to develop and present a solution.</p> <p><b>Problem-Solving Reflection Journal</b>            After solving a problem, students reflect on their process, discuss what worked well, and suggest improvements.</p>	Interactive Lecture with Example Problems  Think-Aloud Demonstration  Guided Group Practice  Case-Based Learning  Peer Teaching	Chapter 3: Problem-Solving and Reasoning <ul style="list-style-type: none"> <li>• Polya's four-step problem-solving process</li> </ul>	Adaptability, Mission Drivenness, Excellence
Wk. 8 (3 hrs.)	Differentiate and apply inductive and deductive reasoning to analyze situations, draw conclusions, and evaluate the validity of arguments in mathematical and real-life contexts.	✓	✓		<p><b>Reasoning Identification Quiz</b>            Given a set of statements or scenarios, students identify whether each uses</p>	Concept Interactive Discussion with Examples  Interactive Sorting	Chapter 3: Problem-Solving and Reasoning <ul style="list-style-type: none"> <li>• Inductive and Deductive</li> </ul>	Excellence, Respect, Honesty



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

					<p>inductive or deductive reasoning and justify their choice.</p> <p><b>Pattern and Proof Task</b>          Students examine number patterns or real-world data to formulate generalizations (inductive) and construct a proof or logical explanation (deductive).</p> <p><b>Argument Evaluation Exercise</b>          Students are provided with short arguments and must evaluate the validity of the conclusions, pointing out reasoning strengths and weaknesses.</p>	<p>Activity</p> <p>Pattern Exploration Workshop</p> <p>Error Analysis Activity</p> <p>Real-Life Application Discussion</p>	Reasoning	
Week 9 (3 hrs.)	Explain the fundamental concepts of descriptive statistics, accurately define and use basic statistical terms, classify variables by type, and identify appropriate levels of measurement for various data sets.		✓		<p>Concept Mastery Quiz          Multiple-choice and short-answer questions on definitions of descriptive statistics, statistical terms, and levels of measurement.</p> <p>Variable Classification Exercise          Students are given a</p>	<p>Interactive Discussion with Visual Aids</p> <p>Guided Examples and Classification Practice</p> <p>Real-World Data Exploration</p>	Chapter 4: Data Management Descriptive Statistics: Definition, Basic Terms, Types and Kinds of variables, and Levels of Measurement	Excellence, Innovation, Respect



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



**CITY COLLEGE**  
OF CAGAYAN DE ORO  
AIM HIGHER

REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term : **First**

Revision Date: **August 14, 2025**

Page

### Suggested Reading and References (APA 7<sup>th</sup> Edition Format)

Ogoy, J., Tudayan, J., Rodriguez, M., Derilo, J., Zales, J., Refugio-Tominez, D (2023).Mathematics in The Modern World. Mindshapers Co.,INC. .  
 Bansa, H., Bagano, D. (2023).Mathematics in The Modern World. Mutya Publishing House, INC.  
 Sirug, W. (2023).Mathematics in The Modern World. Mindshapers Co.,INC. .  
 Earnhart, R. & Adina, E. (2022).Mathematics in the modern world: Outcome-based module. C & E Publishing, Inc.  
 Baltazar, E. (2024).Mathematics in the Modern World. C & E Publishing, Inc.

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
<b>1.0</b>	A+	100-95%	Excellent
<b>1.1 - 1.5</b>	A	94-90%	Superior
<b>1.6 - 2.0</b>	B+	89-85%	Very Good
<b>2.1 - 2.5</b>	B	84-80%	Good
<b>2.6 - 2.9</b>	B-	79-76%	Fair
<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn
<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2025 - 2026**

Semester/Term  
: **First**

Revision Date: **August 14, 2025**

Page

## COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2025 - 2026</b>
Semester/Term :	<b>First</b>
Revision Date:	<b>August 14, 2025</b>
Page	

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	
b. Version Number (optional)	
c. Revision Dates	
d. Prepared by	
e. Reviewed by	
f. Approved by	
g. Submitted to	

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**Mark P. Janubas**  
**Instructor**

Received and reviewed by:  <b><u>DR. KURT S. CANDILAS</u></b>	Recommended by:  <b><u>DR. RAY BUTCH D. MAHINAY</u></b>	Approved by:  <b><u>DR. MA. AIRA CHENESSA B. AGUILAR</u></b>
<b>Dean, College of Arts and Sciences/ Program Chairperson</b>	<b>Dean for Curriculum and Instruction</b>	<b>Vice President for Academic Affairs</b>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **1**

### COURSE DETAILS

Course Code:	<b>GE ELEC 1a</b>	Instructor:	Ms. Shellou Grace G. Sanchez
Course Title:	<b>Living in the Information Technology Era</b>	Consultation Hours:	Friday, 8:00 AM-12:00 NN
Credit Units:	<b>3</b>	Contact Details:	ms.sanchezsg@gmail.com
Prerequisite(s):	<b>None</b>	Number of Hours:	<b>54</b>

### VISION STATEMENT

*"A City College that nurtures and produces global citizens supported by cutting-edge technologies for innovation and excellence by 2033."*

### MISSION STATEMENT

*"Our mission is to provide transformative and inclusive learning, driven by artificial intelligence and other emerging technologies, equipping both the institution and the community to create innovative, culturally-relevant, and data-driven solutions for local and global impact. We actively contribute to sustainable development goals by forging strategic partnerships, engaging in problem-based research, instruction, extension, production, and equipping our graduates with professionally-aligned outcomes."*

### CORE VALUES

<i>Adaptability</i>	<i>Innovation</i>	<i>Mission Drivenness</i>	<i>Honesty</i>	<i>Inclusivity</i>	<i>Godliness</i>	<i>Humanity</i>	<i>Excellence</i>	<i>Respect</i>
---------------------	-------------------	---------------------------	----------------	--------------------	------------------	-----------------	-------------------	----------------

### GRADUATE ATTRIBUTES

<i>Adaptive Innovators</i>	<i>Mission-Driven Problem Solvers</i>	<i>Ethical and Inclusive Collaborators</i>	<i>Holistically Excellent Individuals</i>	<i>Engaged Community Contributors</i>
----------------------------	---------------------------------------	--	---	---------------------------------------

### QUALITY STATEMENT

*A City College that aims to foster expertise, competencies, principles, and adaptability among students to thrive in a rapidly changing world by embracing emerging technologies and nurturing human intelligence.*



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>2</b>

**INSTITUTIONAL LEARNING OUTCOMES**

Institutional Learning Outcomes Key Area	Outcomes indicating Graduate Attributes	Core Values
1. Adaptive Innovators	Apply innovative problem-solving techniques and embrace change effectively.	Innovation
2. Mission-Drive Problem Solvers	Demonstrate a strong commitment to addressing complex issues and creating positive societal impacts.	Mission Drivenness
3. Ethical and Inclusive Collaborators	Exhibit effective communication skills that prioritize integrity, transparency, and accountability in teamwork.	Honesty
4. Holistically Excellent Individuals	Apply holistic approach to develop data-driven solutions with a significant community impact.	Humanity
5. Engaged Community Contributors	Collaborate with stakeholders to address local needs and create positive change.	Adaptability

**DEPARTMENTAL STATEMENTS OF PHILOSOPHY AND OBJECTIVES**

CAS Vision	CAS Mission	CAS Core Values
Transforming students to be digitally proficient and culturally rooted citizens with the emerging technologies <b>in Sciences and Humanities.</b>	We commit ourselves to provide contemporary education in the liberal arts that equips undergraduate students in the challenges of modern society.	Competence Action-oriented Stewardship

**PROGRAM EDUCATIONAL OBJECTIVES (A years after, the graduate will be able...)**

	Program Educational Objectives	Graduate Attributes				
		1	2	3	4	5
Creativity	PEO1. produce empowered citizens that are committed to lead innovations in the community;	/	/	/	/	/
Morally Upright	PEO2. develop citizens to be God-fearing <b>individuals</b> ; and,			/	/	/
Social Consciousness	PEO3. shape <b>citizens</b> who are digitally adaptive and responsive to the emerging problems of society.	/	/	/	/	/



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **3**

**PILO 1:** Apply innovative problem-solving techniques in defining and accessing information needs; assessing and organizing information and knowledge; producing, sharing, and utilizing information and knowledge to embrace change effectively. (ILO1; PEO3; GEO-PS 3.4; GEO-IC 1.5)  
**PILO 7:** Collaborate with stakeholders and *develop entrepreneurial capabilities* to address local needs. (ILO5; PEO3; GEO-PS 3.1)

**GEO IC 1.3** Understanding of basic concepts across the domains of knowledge  
**GEO PCR 2.9** Ability to contribute personally and meaningfully to the country's development.  
**GEO PCR 2.6** Ability to reflect on moral norms/imperatives as they affect individuals and society

**PPI 2:** Uphold the confidentiality of information on material given in the exercise of one's calling.  
**PPI 6:** Not commit any act of plagiarism.

### COURSE OVERVIEW

This course allows student to explore the science, culture, and ethics of information technology, its various uses and applications, as well as its influence on culture and society. It also aims to strike a balance between conceptual instruction and socially and culturally oriented discussions as it not only explains the basic concepts or key terms in IT but also features the major IT trends along with the issues and challenges these developments bring. The use of Google Apps and other essential applications in the web will also be tackled and demonstrated in this course.

COURSE INTENDED LEARNING OUTCOMES	MAPPED GENERAL EDUCATION OUTCOMES & PHILIPPINE PRESS INSTITUTE
<b>CILO1:</b> recognize the concepts of IT and ICT;	GEO-IC 1.3
<b>CILO2:</b> identify the different parts of the computer system and its impact and issues	GEO-IC 1.3
<b>CILO3:</b> appreciate the pervasive effect that new technologies can brings;	GEO-PCR 2.1
<b>CILO4:</b> deliberate the issues regarding the use of technology; and	GEO-PCR 2.8
<b>CILO5:</b> operate the different Google Apps and other essential Free software that can be an essential tool in one's everyday life.	GEO-PS 3.5



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **4**

### TEACHING AND LEARNING PLAN

Time Frame	Content	CILO Mapping	Learning Outcomes	Assessment Tasks	Teaching and Learning Activities and Resources	Values Integration
1 (0.5 hr.)	GTKY  Orientation on Mission, Vision, Core Values, Graduate Attributes, and RISE agenda					
1-4	<b>Unit 1. Introduction to ICT</b> <ul style="list-style-type: none"> <li>• Evolution of Technology</li> <li>• History of Computers</li> <li>• Components &amp; Classification</li> <li>• ICT's impact on society</li> <li>• Ethical issues in ICT</li> </ul>	<b>CILO 1</b>	Illustrate and explain critically the components and evolution of ICT and its role in communication networks.	Long Quiz	Interactive lectures, sample videos, group brainstorming	Excellence, competence



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **5**

3-4	<b>Unit 2. Computers in Our Daily Life</b> <ul style="list-style-type: none"> <li>• Basic computer operations</li> <li>• ICT tools for productivity</li> <li>• Digital citizenship &amp; safety</li> </ul>	<b>CILO 2</b>	Explain and demonstrate how computers and ICT tools are applied in daily life responsibly.	Create a 1-2 mins video narrating/showing the role of ICT in your daily life	Demo on tools, videos	Excellence, competence
5	<b>PRELIM EXAMINATION</b>					
6-7	<b>Unit 3. Internet and World Wide Web</b> <ul style="list-style-type: none"> <li>• Internet structure</li> <li>• Web services &amp; applications</li> </ul>	<b>CILO 3</b>	Develop and publish a simple web page demonstrating the use of online tools and web concepts.	Build and submit a personal webpage (HTML/Google Sites) showcasing a portfolio or	Guided lab sessions, group help forums	Excellence, Competence, Innovation



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **6**

				personal info.		
--	--	--	--	----------------	--	--

8-9	<b>Unit 4. Information, Control, and Privacy</b> <ul style="list-style-type: none"> <li>Information as a resource</li> <li>Privacy, security, and ethics</li> <li>Information control &amp; overload</li> </ul>	CILO 4	Create a media output that explains and advocates data privacy and responsible information sharing.	Produce a 30-second Public Service Announcement (PSA) video on data privacy or cybersecurity.	Video planning workshops, peer feedback	Excellence, Competence, Innovation
10	<b>MIDTERM EXAMINATION</b>					
11 - 14	<b>Unit 5. Digital Collaboration and Productivity Tools</b> <ul style="list-style-type: none"> <li>Online collaboration platforms</li> <li>Cloud storage management</li> <li>Time &amp; task management apps</li> </ul>	CILO 5	Demonstrate effective use of digital collaboration tools by completing a group project in a shared workspace.	Group presentation or project created collaboratively using Google Workspace/Microsoft 365, with shared files and tracked contributions.	Hands-on workshops, simulations, peer review	Excellence, Competence, Innovation



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **7**

15 - 17	<b>Unit 6. Emerging Technologies and the Future of ICT</b> <ul style="list-style-type: none"> <li>• AI, IoT, Big Data</li> <li>• Cybersecurity trends</li> <li>• Sustainable ICT practices</li> </ul>	CILO 5	Analyze how emerging ICT trends influence Filipino lifestyles and propose adaptive strategies.	E-Portfolio compilation (infographic, poster, webpage, PSA, group project) with a reflection essay on how emerging technologies will shape their own future.	Research tasks, multimedia integration, reflection writing	Excellence, Humanity
18	<b>FINAL EXAMINATION</b>					

**Suggested Reading and References (APA 7<sup>th</sup> Edition Format)**



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term  
: **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **8**

### **E-Books:**

- Asif, Saad Z. (2019). 5G mobile communications: concepts and technologies. First edition. Boca Raton, FL : CRC Press/Taylor & Francis Group.
- Best, John. (2018). Breaking digital gridlock: improving your bank's digital future by making technology changes now. Hoboken, New Jersey : John Wiley & Sons, Inc. Chakraborty, Tamal., & Misra, Iti Saha., & Prasad, Ramjee. (2019). VoIP Technology: Applications and Challenges. Springer International Publishing AG.
- Gaur, Nitin and et.al. (2018). Hands-On Blockchain with Hyperledger. UK: y Packt Publishing Ltd.
- Kumar, L. Jyothish. (2019). 3D Printing and Additive Manufacturing Technologies. Springer Nature Singapore Pte Ltd.
- Khosrow-Pour, Mehdi. (2018). Encyclopedia of information science and technology. Fourth edition. Hershey, PA : Information Science Reference.
- Yun, Liang., & Bliault, Alan., & Huan Zong Rong. (2019). High Speed Catamarans and Multihulls: Technology, Performance, and Applications. Springer Science Business Media, LLC. Swamy, Sarah., & Loh, R. T. M. (2018). Crypto Uncovered: The Evolution of Bitcoin and the Cryptocurrency Marketplace. Switzerland: Palgrave Macmillan imprint.

### **eJournals**

- Aristotle, C. D. (2022). Buddhist modernism in the philippines: Emerging localization of humanistic buddhism. *Religions*, 13(3), 220. doi:<https://doi.org/10.3390/rel13030220>
- Bousbiat, H., Leitner, G., & Elmenreich, W. (2022). Ageing safely in the digital era: A new unobtrusive activity monitoring framework leveraging on daily interactions with hand-operated appliances. *Sensors*, 22(4), 1322. doi:<https://doi.org/10.3390/s22041322>
- Du, H., Sun, W., Jiao, Y., Li, J., & Liu, L. (2022). Countermeasures for the development of data integration of the internet ice and snow tourism industry under the background of artificial intelligence. *Applied Bionics and Biomechanics*, 2022 doi:<https://doi.org/10.1155/2022/8496766>
- Fang, Y., & Wang, Q. (2022). Research on the construction of university campus economic management system based on the concept of big data. *Mathematical Problems in Engineering*, 2022 doi:<https://doi.org/10.1155/2022/2335221>
- Qi, Q., & Wang, X. (2022). Action of college chinese education and information fusion teaching based on the background of big data. *Wireless Communications & Mobile Computing (Online)*, 2022 doi:<https://doi.org/10.1155/2022/3045608>
- Tataridas, A., Kanatas, P., Chatzigeorgiou, A., Zannopoulos, S., & Travlos, I. (2022). Sustainable crop and weed management in the era of the EU green deal: A survival guide. *Agronomy*, 12(3), 589. doi:<https://doi.org/10.3390/agronomy12030589>



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year: **2024 - 2025**

Semester/Term : **1<sup>st</sup> Semester**

Revision Date: **August 12, 2024**

Page **9**

### COURSE GRADE EQUIVALENT

For purposes of transmutation, the course will use the following grade equivalent:

Grade Point Equivalence	Letter Grade Equivalent	% Equivalent	Description
<b>1.0</b>	A+	100-95%	Excellent
<b>1.1 - 1.5</b>	A	94-90%	Superior
<b>1.6 - 2.0</b>	B+	89-85%	Very Good
<b>2.1 - 2.5</b>	B	84-80%	Good
<b>2.6 - 2.9</b>	B-	79-76%	Fair
<b>3.0</b>	C	75%	Passed
<b>3.1 - 4.0</b>			Conditioned
<b>5.0</b>	C-	74% and below	Failed
<b>W</b>			Withdrawn
<b>NC</b>			No Credit
<b>INC</b>			Incomplete
<b>D</b>			Dropped



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>10</b>

## COURSE GUIDELINES AND POLICIES

1. In case of **non-submission or late submission due to valid reasons**, please inform the FIC (faculty-in-charge) of the college and should be resolved within next week. No more extensions.
2. All major exams must be taken concurrently, with no provision for "special exams" or "make-up exams" unless supported by a valid reason and accompanying documentation.
3. Any submissions made after the academic year deadline will not be accommodated.
4. Students are strongly encouraged to submit their requirements on time to ensure a smooth process for all parties involved.
5. Actively participate in synchronous classes for maximum and effective learning. Maintain proper etiquette when sharing facts and opinions, as well as when responding to your peers' posts. All discussions should pertain to the course material.
6. Student's course grade is solely determined by the academic performance, so it is crucial to give the best effort in studying and not miss any activities.
7. Use the APA (American Psychological Association) format for citing sources and creating references.
8. When quoting important words, phrases, or sentences verbatim, or when paraphrasing, ensure that you properly cite the author and year.
9. Regularly monitor your progress in our Learning Management System (LMS) and stay informed about important course announcements.
10. Do not hesitate to contact your FIC in case of urgent concerns.
11. As a student of the City College of Cagayan de Oro, adherence to established standards that promote excellence, integrity, and a strong sense of community is expected. Cheating and plagiarism may result in sanctions such as degree withdrawal, suspension, or expulsion by the college.



REPUBLIC OF THE PHILIPPINES  
 CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>11</b>

**SYLLABUS REVISION HISTORY**

a. Syllabus Adaptation	OBE Framework
b. Version Number (optional)	4
c. Revision Dates	January 2024, June 2024, July 2024, August 2024, July 2025
d. Prepared by	Ms. Shellou Grace Sanchez
e. Reviewed by	Mr. Mark P. Janubas, Program Head for General Education/ Dr. Kurt S. Candilas, Dean, College of Arts and Sciences
f. Approved by	Dr. Liza A. Chua, Dean for Curriculum and Instruction
g. Submitted to	Dr. Ma. Aira Chenessa B. Aguilar, Vice President for Academic Affairs

***Proof of Dissemination:***

\_\_\_\_\_  
**Name of Student and Signature**

**Prepared by:**

**Ms. Shellou Grace G. Sanchez**  
**Instructor**

Received by:  <b><u>MARK P. JANUBAS, MAEd</u></b>	Reviewed by:  <b><u>KURT S. CANDILAS, Ph.D.</u></b>	Recommended by:  <b><u>LIZA L. CHUA, DevEdD, Ph.D.</u></b>	Approved by:  <b><u>MA. AIRA CHENESSA B. AGUILAR, Ed.D.</u></b>
<b>Program Head for General Education</b>	<b>Dean for College of Arts and Sciences</b>	<b>Dean for Curriculum and Instruction</b>	<b>Vice President for Academics</b>



REPUBLIC OF THE PHILIPPINES  
CITY OF CAGAYAN DE ORO  
**CITY COLLEGE OF CAGAYAN DE ORO**  
*Formerly Cagayan de Oro Technical Vocational Institute*

Academic Year:	<b>2024 - 2025</b>
Semester/Term :	<b>1<sup>st</sup> Semester</b>
Revision Date:	<b>August 12, 2024</b>
Page	<b>12</b>