

OPOL COMMUNITY COLLEGE Bachelor of Business Administration (BSBA) Gen Ed 7 (Science, Technology, and Society) SY 2021-2022

VISION

Opol Community College is a self-reliant higher educational institution providing affordable quality education to produce pro-active and highly competitive graduates

MISSION

The College aims to produce graduates with competitive ski by providing competent instructors, adequate learnin resources and scholarship grants and link them employment opportunities. Further, being a local governme owned institution, it supports the programs and projects of the government.

Program Educational Objectives

Profile of an OCC BSBA Graduate

1	A graduate who can demonstrate ability to lead projects across all areas of busines
2	A graduate who can become adept at fostering professional communications and o
3	A graduate who is willing to seek for professional growth like graduate studies and
4	A graduate who manifest commitment in participating activities related to the profes
5	A graduate who shows interest in conducting research to generate new knowledge

PROGRAM OUTCOMES

Common to all programs in all types of school (Sec.6.1-6.2, CMO 17, s. 2017):

A graduate of a business or management degrees should be able to:

1.	Articulate the latest developments in the specific field of practice
2.	Effectively communication in English and Filipino, both orally and in writing
3.	Work effectively and collaboratively with a substantial degree of independence in multi
	multi-cultural teams

4.	Act in recognition of professional, social and ethical responsibility
5.	Preserve and promote "Filipino historical and cultural heritage"
6.	Perform the basic function of management such as planning, organizing, leading and
7.	Apply the basic concepts that underlie each of the functional areas of business (ma
	human resources management, production and operations management, information
	strategic management) and employ these concepts in various business situations.
8.	Select the proper decision making tools to critically, analytically and creatively solve pr
	results;
9.	Express oneself clearly and communicate effectively with stakeholders both in oral ar
10.	Apply information and communication technology (ICT) skills as required by the busine
11.	Work effectively with other stakeholders and management conflict in the workplace
12	Plan and implement business related activities.
13.	Demonstrate corporate citizenship and social responsibility.
14.	Exercise high personal moral and ethical standards.

Outcome Based Teaching Learning Plan

Course Title/Number	Gen. Ed 7 SCIENCE, TECHNOLOGY, and SOCIETY
Course Description	The course deals with interactions between science and technology and social, cultur that shape and are shaped by them. (CMO No. 20, series of 2013). This interdisciplin the realities brought about by science and technology in society. Such realities perva global aspects of our living and are integral to human development. Scientific knowle happens in the context of society with all its socio-political, cultural, economic, and ph This course seeks to instill reflective knowledge in the students that they are able to I decision making in the face of scientific and technological advancement. This course includes mandatory topics on climate change and environmental awaren
Course Credit	3
Contact	54 hours
Hours	
Pre-requisite	None
Instructor	ANNIE P. JACALAN, PhD

Consultation Time	4:00-5:00 pm WTH Faculty Room for face to face. For NON-FACE TO FACE is anyti (Based on CMO No. 74 s. 2017-Policies, Standards and Guidelines for the Bachelor 6.3 specific to the Bachelor of Elementary Education program			
Program Specialization Outcomes				
	 a. Demonstrate in-depth understanding of the diversity of learners in variou b. Manifest meaningful and comprehensive pedagogical content knowledge c. Utilize appropriate assessment and evaluation tools to measure learning d. Manifest skills in communication, higher order thinking and use of tools ar teaching e. Demonstrate positive attributes of a model teacher, both as an individual f. Manifest a desire to continuously pursue personal and professional deve 			
Course Learning Outcomes	 Knowledge Articulate the impacts of science and technology on society, specifically Philip Explain how science and technology affect society and the environment and i Analyze the human condition in order to deeply reflect and express philosoph the student as a part of society Define and demonstrate the impact of social media on the students' life and F Values Imbibe the importance of science and technology in the preservation of the efilipino nation Critique human flourishing vis-à-vis the progress of science and technology define for himself/herself the meaning of the good life Foster the value of a healthy lifestyle toward the holistic and sustainable dever Skills Creatively present the importance and contributions of science and technology Examine shared concerns that make up the good life in order to come up v contemporary issues guided by ethical standards Illustrate how the social media and information age impact their lives and their 			

Learning Plan FLEXIBLE LEARNING STRATEGIES IN THIS PANDEMIC

NAME OF STRATEGIES	MECHANICS
Learning Activity Package	Each student is required to download this module. They are
	Students have to answer the activities required in this packa
	internet connections
Synchronous class	Use of google meet to have the virtual lesson
Power point presentation	Use during virtual classes
Break out session	Students were divided into groups and create their FB or me
	and be back to the virtual room for presentation of their discu
Video presentation	Students were group to make a video on their assigned topic
	and must have a visual aid.
Chat room	Students were allowed to chat while having oral recitation if t
Individualized tutorial	Use of email and mobile phone to communicate between ins
Google forms	Mode of delivery for online exams with time limiter

Midterm Period				
Time Allotment (Week)	Course Topic	Expected Learning Outcomes/Performance Indicators (At the end of the lesson, students will be able to:)	Teaching Learning Activities	Va Inteç
1 – 9	Vision, Mission, Goals Classroom policies and learning contract Course syllabus and requirements	Relate the Vision, Mission and Goals with the course Identify and comply with the learning contract	Class Activity: Sway your Name and description of Self Group dynamics: Learning Contract Class Discussion:	Re Obe Respo

1.CONCEPTS OF •Discuss how scientific and SCIENCE AND •Discuss how scientific and	Lo
TECHNOLOGY Importance of Science and Technologyaffect society and the environmentLecture- discussion	Re
 2.HISTORICAL ANTECEDENTS IN WHICH SOCIAL CONSIDERATIONS CHANGED THE COURSE OF SCIENCE AND TECHNOLOGY a.) In the World: Ancient, Middle and Modern Ages b.) In the Philippines b.1.Pre-Spanish Period b.2. Spanish Colonial Period b.3. American Period and Post- Commonwealth Era b.4. Marcos Era b.5 Fifth Republic *Identify the paradigm shifts in history *Identify the paradigm shifts in history Students will be divided into groups to bring and discuss the pictures of inventions and/or inventor in the world during the: a.) ancient period b.) Medieval Period c.) Renaissance Period d.) In 40th Century Philippines 	;

 3. INTELLECTUAL REVOLUTIONS THAT DEFINED SOCIETY a. Copernican b. Darwinian c. Freudian d. Information e. Meso-American f. Asian g. Middle East h. African 	Articulate ways by which society is transformed by science and technology	Lecture and discussion	Res Cou
 4. Science and Technology and Nation Building a. The Philippine Government S&T Agenda b. Major development programs and personalities in S&T in the Philippines c. Science Education in the Philippines d. Selected indigenous 	 Discuss the role of Science and Technology in Philippine nation building Evaluate government policies pertaining to science and technology in terms of their contributions to nation building Identify actual science and technology policies of the government and appraise their impact on the development of the Filipino nation 	Small group discussion on: How do you describe a life based on the aspirations of Ambisyon Natin 2040? "Matatag, maginhawa, at panatag na buhay? Create a digital collage showing your perception on the role of science and technology in nation building	Loyalty I Obeo Alleo

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	ience and chnologies			
PER FLOU TER SCIE TECI a. Es techr view Ariste Tech Pess Tech Optir HEIE b. Er c. Da nons d. co being flouri e. Vie happ Ariste EPIC NIET f. EU	URISHING IN MS OF ENCE AND HNOLOGY seence of hology from of otelianism, inological mism, MARTIN DEGGER framing angers of top revealing incept of human g and ishing ew of biness by otle, CURUS, TZCHE DAIMONIA or aemonism	Analyze the human condition in order to deeply reflect and express philosophical ramifications that are meaningful to the individual.	Group Presentation	Opt Cor
a. Co	DOD LIFE oncept of good life cording to	Critique human flourishing vis-àvis the progress of science and technology so	Group dynamics: Students will be grouped and each student must share his/her reflection	Cou Temp Prue

 Aristotle's view, and the ethical view. b. Meaning of good life based from Aristotle and Heidegger's views c. Conditions that constitute the good life through modern science. 	to define the meaning of good life *Examine shared concerns that make up the good life in order to come up with innovative, creative solutions to contemporary issues guided by ethical standards	on the meaning of good life	
 7 ETHICAL DILEMMAS a. Advantages and disadvantages of technology b. Factors on limitations of technology to humanity c. Concept of humanity d. Give examples of ethical dilemmas 	Discuss issues on ethical dilemmas and cite examples	Debate on: Ethical Issues: 1.What kind of neuro security to protect individuals from accidental shared information or removed from their brains by hackers? 2.If two individuals share an idea who is entitled to claim ownership?	Tı Self-ı Unself

Final Period				
10 - 18	8. THE HUMAN PERSON FUNCTIONING IN SOCIETY a. Concept of technology, examples of the positive and negative views of technology b. "Why the Future Doesn't Need Us" c. Societal collapse and causes d. New inventions that transform human experience e. Future scenarios for the Humanity and Technology f. Post humanity theory	Evaluate contemporary human experience in order to strengthen and enlighten the human person functioning in society	Group discussion on: "Why the future doesn't need us"	Unself Res Self-di
	 9. INFORMATION AGE The information Age) (Gutenberg to Social media) a.Pre-Gutenberg world 	Link learned concepts to the development of the information age and its impact on society		Pruc Self- d

b.Gutenberg revolution			
c.Post-Gutenberg world . d.Information age e.Major expansions of the development of internet f.Historical period of information technology revolution g.Social media and its impact to the society		Lecture-discussion	
10. BIODIVERSITY AND THE HEALTHY SOCIETY a. Kinds of BIODIVERSITY b. Importance of biodiversity c. Threats to biodiversity d. Criteria to qualify as biodiversity hotspot	Determine the interrelatedness of society, environment, and health	Lecture-discussion Group Report	Re: Obe Eco atti

 11. GENETICALLY MODIFIED ORGANISMS: SCIENCE, HEALTH, AND POLITICS a. Examples of GMO Foods b. Scientific Methods of GMO Production c. Advantages of GMO d. Effect of GMO to biodiversity and environment 	•Discuss the ethics and implications of GMOs and potential future impacts	Debate on "Is it safe to use GMO foods"	Respons Justice Courage Health c
 12. THE NANO WORLD a. Development of nanotechnology from ancient Egypt, ancient Rome, middle ages in Europe and Philippines b. Nanotech Facilities and Equipment in the Phil. 	 Discuss the major impacts (both potential and realized) of nanotechnology on society Analyze the issue through the conceptual STS lenses Critique the issue on its costs and benefits to 	Lecture -discussion Group dynamics to discuss evidences on the existence of nanotechnology products in the Phil.	Health o Respo

c. Examples of m environmental application of nanotechnology i Phil d. Solutions to address the nanotechnology issues in the Phil	n the	
13. GENE THER (STEM CELLS)a. Classification of genetic disorders b. Examples of g therapy.c. Types of gene therapyd. Methods of gene therapye. Success in gene therapyf. Risks of gene therapyg. Benefits and disadvantages of therapy	therapy and its various forms • Assess the issue' potential benefits and detriments to global heat ne	

14. CLIMATE	Identify the causes of	Re
CHANGE AND ENERGY	•	Respo
CRISIS	Assess the various impacts of climate change	
a. Examples and sources of greenhouse gas b. Earth's natura	es geopolitical, biological, meteorological, etc.	
greenhouse effe enhanced green effect	ct and Apply STS concepts	Interview PAG ASA PERSONNEL
c. Impacts of enhanced globa warming	Discuss the provision of RA 9729 and RA 9512	
d. Ways to redu manage global warming and cli change		Lecture-discussion
e. Sources of renewable and r renewable energ		Group Presentation
f. Causes of ene crisis	ergy	
g. Types of OTE systems	C	
h. Advantages a disadvantages o OTEC technolog	of	

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Science, Technology, and Society	1 ^{s⊤} Semester AY 2021-2022		TERESA AMOR G. MARIANO Program Head Teacher Education Departmer	
Course Title	AY/Effective Term	Prepared by:	Checked by:	
	 Classes start ON TIME and students are expected to attend class sessions on t Students must take all scheduled and unscheduled examinations. No special ex Examinations provided with a Valid Reason. Failure to submit assignments, term papers and other projects on or before the Cheating will not be tolerated. Students are required to pass the subject according to their respective Department Tardiness. A student is considered "late" if he/she is not in the classroom 15 min Cheating. Any student who committed any form of academic dishonesty shall I provided in the OCC Student's Handbook and subject to the Department Heads. Common Courtesies: Respect your teachers enough to listen - and not spend the entire period ta Cell phones should be turned off while inside the classroom. Do not answer class. Using laptops, smartphones, and tablets shall be prohibited unless the instrurequest. Keep silent inside the classroom as classes are going on and minimize void 4. Observe good manners and right conduct as an OCC student 			