



Approval Sheet

Course Title: SCIENCE, TECHNOLOGY, AND SOCIETY
Course Code/ STS

Revision Level	Effectivity Date	Details of Origination/ Revision	Author/ Subject Matter Expert
00		<i>Compliance with QMS and OBE requirements</i>	AL-YUSRI S. ALLER
		Prepared by: <i>revision of course outcomes</i>	Reviewed by:
001	August 20 2023	<i>Modification of course outcomes, course content, teaching-learning activities and assessment task</i>	JOHN MURIEL S. CANSINO
		Checked by: <i>Recommendation Approved</i>	Approved
002	January 9, 2024	<i>Modification of course learning outcomes and assessment task</i>	JEAN R. BENDICO
		Prepared by: DON CARLOS C. ROQUE	Checked by: DON CARLOS C. ROQUE
		Name and Signature of Faculty Member FLORENCE S. MIRANDA	Name and Signature of Program Head DR. HANLIE A. TAHA
		Date: _____	Date: _____
		Name and Signature of Cluster CIMDO	Name and Signature of Associate Dean
		Date: _____	Date: _____
		Name and Signature of Dean	Date: _____

COURSE SYLLABUS IN SCIENCE, TECHNOLOGY, AND SOCIETY

PSU Vision	An internationally recognized university that provides relevant and innovative education and research for lifelong learning and sustainable development
PSU Mission	The Palawan State University is committed to upgrade the quality of life of the people by providing education opportunities through excellent instruction, research and innovation, extension, production services, and transnational collaborations.
PSU Shared Values	Excellence in service, Quality assurance, Unity in diversity, Advocacy for sustainable development, Leadership by example, Innovation, Transparency, Youth empowerment
Institutional Outcomes	The Palawan State University graduates are expected to be agents of change, creative and critical thinkers, effective communicators, research-oriented learners, and value laden individuals.
College Goals and Program Objectives	<p>Program Goals <i>The Bachelor of Science in Business Administration aims to produce graduates who:</i> Are proficient in key business functions. such as finance, marketing, operations, and human resources, preparing them for success in diverse business settings. Exhibit strong critical thinking and problem-solving abilities to effectively address business challenges and develop innovative solutions. Uphold ethical leadership and demonstrate a strong commitment to social responsibility, ensuring that they contribute positively to society. Are adaptable and strategic thinkers, capable of identifying and capitalizing on opportunities to drive organizational growth and long-term success</p> <p>Program Objectives <i>The Business Administration Department aims to produce globally competitive graduates who are morally upright, compassionate, highly skilled, productive, and leaders in business and entrepreneurship development.</i> <i>The program specifically seeks to:</i> M – Master key business concepts and principles across various functional areas. A – Apply analytical and critical thinking skills to solve real-world business challenges. R – Recognize the importance of ethical standards and corporate social responsibility, encouraging students to integrate these values into business practices to contribute positively to society. K – Keep up with the latest trends and innovations in the business world and a commitment to continuous learning for professional growth and development. E – Enhance leadership and teamwork abilities, preparing graduates to manage teams, lead projects, and work collaboratively in multicultural and diverse organizational settings. T – Transform into proactive business professionals who can strategically assess and capitalize on market opportunities.</p>
Course Title	Science, Technology, and Society
Course Code/ Number	GE-ST5
Course Description	This course deals with the interactions between science and technology and social, cultural, political, and economic contexts that shape and are shaped by them. (CMO No. 20, series of 2013)

	<p>This interdisciplinary course engages students to confront the realities brought about by science and technology in society. Such realities pervade the personal, the public, and the global aspects of our living and are integral to human development. Scientific knowledge and technological development happen in the context of society with all its socio-political, cultural, economic, and philosophical underpinnings at play. This course seeks to instill reflective knowledge in the students that they are able to live the good life and display ethical decision making in the face of scientific and technological advancement.</p> <p>This course includes mandatory topics on climate change and environmental awareness.</p>																																																																																																		
Credit Units	3 Units																																																																																																		
Course Prerequisites	None																																																																																																		
Link to Program Outcomes	<table border="1" data-bbox="525 440 2137 1479"> <thead> <tr> <th data-bbox="525 440 1330 477">Course Outcomes</th> <th colspan="6" data-bbox="1330 440 2137 477">Program Outcomes</th> </tr> <tr> <th data-bbox="525 477 1330 514"></th> <th data-bbox="1330 477 1473 514">a</th> <th data-bbox="1473 477 1627 514">b</th> <th data-bbox="1627 477 1785 514">c</th> <th data-bbox="1785 477 1942 514">d</th> <th data-bbox="1942 477 2053 514">e</th> <th data-bbox="2053 477 2137 514"></th> </tr> </thead> <tbody> <tr> <td data-bbox="525 514 1330 547">1. Knowledge</td> <td data-bbox="1330 514 1473 547"></td> <td data-bbox="1473 514 1627 547"></td> <td data-bbox="1627 514 1785 547"></td> <td data-bbox="1785 514 1942 547"></td> <td data-bbox="1942 514 2053 547"></td> <td data-bbox="2053 514 2137 547"></td> </tr> <tr> <td data-bbox="525 547 1330 618">a. 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	<p>I- Introduced concepts/ principle P- Practiced with supervision D- Demonstrated across different settings with minimal supervision</p> <p>Program Outcomes:</p> <ol style="list-style-type: none"> Analyze “texts” (written, visual, oral, etc.) critically. Demonstrate proficient and effective communication (writing, speaking, and use of new technologies) Use basic concepts across the domains of knowledge. Demonstrate critical, analytical, and creative thinking. Appreciate the complexity of the human condition. Interpret the human experience from various perspectives. Examine the contemporary world from both Philippine and global perspectives. Take responsibility for knowing and being Filipino
Course Outcomes	<p><i>List three to five major outcomes that you expect students to strive for:</i></p> <ul style="list-style-type: none"> ✓ To articulate the impacts of science and technology on society, specifically Philippine society ✓ To explain how science and technology affect society and the environment and its role in nation-building ✓ To analyze the human condition in order to deeply reflect and express philosophical ramifications that are meaningful to the student as a part of society ✓ To define and demonstrate the impact of social media on the students’ life and Philippine society in general ✓ To imbibe the importance of science and technology in the preservation of the environment and the development of the Filipino
Course Format	<i>The course format that will be employed in this course is modular flexible learning amidst COVID 19 pandemic.</i>

LEARNING PLAN							
Time Frame	Course Outcomes	Intended Learning Outcomes	Course Content/ Subject Matter/ Topic	Teaching and Learning Activities	Assessment Tasks	Resource Materials	Textbooks/ References
Week 1-5 (15 hours)		<ul style="list-style-type: none"> ✓ Discuss how the ideas postulated by Copernicus, Darwin, and Freud contributed to the spark of scientific revolution; and ✓ Analyze how scientific revolution is done in various parts of the world like in Latin America, East Asia, Middle East, and Africa. 	<p>Intellectual Revolutions That Defined Society</p> <ul style="list-style-type: none"> <input type="checkbox"/> Scientific Revolution <input type="checkbox"/> Some Intellectuals and their Revolutionary Ideas <input type="checkbox"/> Nicolaus Copernicus <input type="checkbox"/> Charles Darwin <input type="checkbox"/> Sigmund Freud <input type="checkbox"/> Cradles of Early Science <input type="checkbox"/> Development of Science in Mesoamerica <input type="checkbox"/> Development of Science in Asia <input type="checkbox"/> Development of Science in Africa 	Face to face classes	Activity Quiz	Books	<ul style="list-style-type: none"> ✓ Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata

<p>Week 6-9 (10 hours)</p>		<ul style="list-style-type: none"> ✓ 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; and ✓ Identify actual science and technology policies of the government and appraise their impact on the development of the Filipino nation. 	<p>Science, Technology, and Nation-Building</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brief Historical Background of Science and Technology in the Philippines <input type="checkbox"/> Government Policies on Science and Technology <input type="checkbox"/> Famous Filipino in the Field of Science 	<p>Face to face classes</p>	<p>Quiz</p>	<p>Books</p>	<ul style="list-style-type: none"> ✓ Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata
<p>Week 10-11 (6 hours)</p>		<ul style="list-style-type: none"> ✓ Explain the concept of human condition before science technology; ✓ Identify the change that happened in human condition after science and technology; and ✓ Name ways on how technology aided in revealing the truth about the human being 	<p>Technology as a Way of Revealing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <input type="checkbox"/> The Human Condition Before Common Era <input type="checkbox"/> The Human Condition in the Common Era <input type="checkbox"/> The Essence of Technology <input type="checkbox"/> Backtracking the Human Condition 	<p>Face to face classes</p>	<p>Quiz</p>	<p>Books</p>	<p>Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata</p>
<p>Week 12-13 (6 hours)</p>		<ul style="list-style-type: none"> ✓ Examine what is meant by a good life; ✓ Identify how humans attempt to attain what is deemed to be a good life; and ✓ Recognize possibilities available to human being to attain the good life. 	<p>The Good Life</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <input type="checkbox"/> Aristotle and How We All Aspire for a Good Life <input type="checkbox"/> Happiness as the Goal of a Good Life <input type="checkbox"/> Materialism <input type="checkbox"/> Hedonism <input type="checkbox"/> Stoicism <input type="checkbox"/> Theism <input type="checkbox"/> Humanism 	<p>Face to face classes</p>	<p>Quiz</p>	<p>Books</p>	<p>Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata</p>
<p>Week 14(3 hours)</p>		<ul style="list-style-type: none"> ✓ Know the different technological advancements in society; ✓ Discuss the development of science and 	<p>When Technology and Human Cross</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <input type="checkbox"/> Television Sets, Mobile Phones, Computers, and Humanity 	<p>Face to face classes</p>	<p>Quiz</p>	<p>Books</p>	<p>Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas</p>

		<p><i>technology in the Philippines; and</i></p> <p>✓ <i>Discuss the effects of the interplay between technology and humanity through the dilemma(s) they face</i></p>	<ul style="list-style-type: none"> <input type="checkbox"/> <i>Roles Played by These Technological Advancements</i> <input type="checkbox"/> <i>Ethical Dilemma Faced by These Technological Advancements</i> <input type="checkbox"/> <i>Robotics and Humanity</i> <input type="checkbox"/> <i>Roles Played by Robotics</i> <input type="checkbox"/> <i>Ethical Dilemma/s Faced by Robotics</i> 				<p><i>Caslib, Jr., and Eden Joy Pastor Alata</i></p>
<p>Week 15 (3 hours)</p>		<p>✓ <i>Define Information Age;</i></p> <p>✓ <i>Discuss the theory of Information Age; and</i></p> <p>✓ <i>Understand the factors that need to be considered in checking website sources.</i></p>	<p>The Information Age</p> <ul style="list-style-type: none"> <input type="checkbox"/> <i>History</i> <input type="checkbox"/> <i>Computer</i> <input type="checkbox"/> <i>Types of Computers</i> <input type="checkbox"/> <i>The World Wide Web</i> <input type="checkbox"/> <i>Applications of Computers in Science and Research</i> <input type="checkbox"/> <i>How to Check the Reliability of Web Sources</i> <input type="checkbox"/> <i>Examples of Useful and Reliable Web Sources</i> 	<p><i>Face to face classes</i></p>	<p><i>Quiz</i></p>	<p><i>Books</i></p>	<p><i>Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata</i></p>
<p>Week 17-18 (6 hours)</p>		<p>✓ <i>Identify issues on genetically modified organisms (GMOs)</i></p> <p>✓ <i>Discuss different implications and impact of GMOs; and</i></p> <p>✓ <i>Create a research paper on the impact of GMOs in the Philippine Context</i></p>	<p>Genetically Modified Organisms: Science, Health, and Politics</p> <ul style="list-style-type: none"> <input type="checkbox"/> <i>Introduction</i> <input type="checkbox"/> <i>Genetically Modified Organism</i> <input type="checkbox"/> <i>GMOs in Food and Agricultural Industries</i> <input type="checkbox"/> <i>GMOs in Non-Food Crops and Microorganisms</i> <input type="checkbox"/> <i>Benefits of GMOs</i> <input type="checkbox"/> <i>Potential Risks of GMOs</i> <input type="checkbox"/> <i>Potential Environmental Risks Caused by GMOs;</i> <input type="checkbox"/> <i>Potential Human Health Risks caused by GMOs</i> <input type="checkbox"/> <i>Biosafety on GMOs</i> <input type="checkbox"/> <i>GMOs in Philippine Context</i> 	<p><i>Face to face classes</i></p>	<p><i>Quiz</i></p>	<p><i>Books</i></p>	<p><i>Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata</i></p>
<p>Course References</p>		<p>✓ <i>Science, Technology, and Society; Janice Patria Javier Serafica, Greg Tabios Pawilen, Bernardo Nicolas Caslib, Jr., and Eden Joy Pastor Alata</i></p>					
<p>Additional Materials</p>							

Course Requirements	<p>Grading System</p> <table> <tr> <td>Class Participation/ Recitation/ Assignment</td> <td>10%</td> </tr> <tr> <td>Quizzes</td> <td>20%</td> </tr> <tr> <td>Performance Task</td> <td>20%</td> </tr> <tr> <td>Midterm Exam</td> <td>20%</td> </tr> <tr> <td>Final Exam</td> <td>30%</td> </tr> <tr> <td>Total</td> <td><u>100 %</u></td> </tr> </table>	Class Participation/ Recitation/ Assignment	10%	Quizzes	20%	Performance Task	20%	Midterm Exam	20%	Final Exam	30%	Total	<u>100 %</u>
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Course Policies	<p><i>Course Policy</i></p> <ol style="list-style-type: none"> 1. Answer all written and exams and activity on time. 2. Late submission is subject for score reduction. 3. Cheating and other form of academic dishonesty is a ground for automatic failing grades. (Refer to student handbook). 												
Supplementary Material/s	<i>Laptop and cellphone</i>												
Consultation Period	<p><i>Tuesday 1:00-2:30 p.m</i> <i>Thursday 1:00-2:30 p.m</i></p>												