



### AT 222– Driving Education

#### UNIVERSITY VISION

A leading University in advancing scholarly innovation, multi-cultural convergence, and responsive public service in a borderless Region.

#### UNIVERSITY MISSION

The University shall primarily provide advanced instruction and professional training in science and technology, agriculture, fisheries, education and other related fields of study. It shall also undertake research and extension services, and provide progressive leadership in its areas of specialization.

#### UNIVERSITY STRATEGIC GOALS

- a. Deliver quality service to stakeholders to address current and future needs in instruction, research, extension, and production
- b. Observe strict implementation of the laws as well as the policies and regulations of the University
- c. Acquire with urgency state-of-the-art resources for its service areas
- d. Bolster the relationship of the University with its local and international customers and partners
- e. Leverage the qualifications and competences in personnel action and staffing
- f. Evaluate the efficiency and responsiveness of the University systems and processes

#### PROGRAM OUTCOMES (PO) COMMON TO ALL PROGRAMS AND ITS RELATIONSHIPS TO INSTITUTIONAL OUTCOMES

A graduate of the BlindTech program can:	INSTITUTIONAL OUTCOMES (IO)						
	a	b	c	d	e	f	g
a. Analyze broadly defined industrial technology processes by using analytical tools that enhance creativity, innovativeness, and intellectual curiosity to improve methods, processes, and systems that meet the industry standards;	✓	✓				✓	
b. Design and implement broadly defined industrial systems, components, products, or processes to meet specific industry needs with proficiency and flexibility in the area of specialization in accordance with global standards;	✓	✓		✓		✓	

Apply appropriate techniques, resources, and state-of-the-art industrial technology tools to meet current industry needs and use these modern tools and processes to improve and increase entrepreneurial activities upholding the safety and health standards of business and industry;	✓		✓	✓	✓		
d. Communicate with diverse groups of clienteles the appropriate cultural language with clarity and persuasion, in both oral and written forms, including understanding and giving of clear instructions, high comprehension level, effectiveness in delivering presentations and writing documents, and articulating technological innovation outputs;	✓	✓	✓	✓	✓		
e. Develop leadership and management skills in a team-based environment by making informed decisions, keeping the team motivated, acting and delegating responsibility, and inspiring positive changes in the organization by exercising responsibility with integrity and accountability in the practice of one's profession;	✓	✓	✓	✓	✓	✓	✓
f. Practice the moral responsibilities of an industrial technologist to manage and balance wider public interest and uphold the norms and safety standards of the industrial technology profession;				✓	✓	✓	✓
g. Demonstrate enthusiasm and passion for continuous personal and professional development in broadly defined industrial technology and effecting positive changes in the entrepreneurial and industrial endeavor; and	✓	✓	✓	✓	✓	✓	✓
h. Recognize the need for, and an ability to engage in lifelong learning.	✓	✓	✓	✓	✓	✓	✓

1 COURSE CODE AT 222

2 COURSE TITLE Driving Education

3 PREREQUISITE AT 221

4 CREDITS 3 units

#### 5 COURSE DESCRIPTION

This course deals with understanding of the basic components of driving education, developing safe driving attitudes and acquired skills to become a good driver.

#### 6 COURSE LEARNING OUTCOMES (CLO) AND ITS RELATIONSHIPS TO PROGRAM OUTCOMES

##### Course Learning Outcomes (CLO)

At the end of the course, a student can:

Course Learning Outcomes (CLO)	Program Outcomes							
	a	b	c	d	e	f	g	h
a. Understand SKSU-VGMO, Classroom Policies, Course Overview, Course Requirements and Grading System;	✓	✓	✓	✓	✓	✓	✓	✓
b. Understand Traffic Rules and Regulations	✓	✓	✓	✓	✓	✓	✓	✓
c. Develop Practical Driving Skills.	✓	✓	✓	✓	✓	✓	✓	✓
d. Apply Defensive Driving Techniques.	✓	✓	✓	✓	✓	✓	✓	✓

Exhibit Knowledge of Vehicle Maintenance.	✓	✓	✓	✓	✓	✓	✓	✓
Understand the Impact of Human Factors in Driving.	✓	✓	✓	✓	✓	✓	✓	✓
g. Promote Ethical and Environmentally Responsible Driving	✓	✓	✓	✓	✓	✓	✓	✓
h. Prepare for Driver's License Examinations	✓	✓	✓	✓	✓	✓	✓	✓

## 7 COURSE CONTENTS

WEEK	CONTENT	INTENDED LEARNING OUTCOMES (ILOs)	TEACHING AND LEARNING ACTIVITIES (TLA)	OUTCOMES-BASED ASSESSMENT (OBA)	COURSE LEARNING OUTCOMES (CLOs)
1	Course Orientation <i>SKSU VMGO, Classroom Policies, Course Overview, Course Requirements, Grading System</i>	At the end of the week, the student can: a. Discuss the University's VMGO, classroom policies, course overview, requirements and grading system	Discuss the VMGO of the University, the classroom policies, scope of the course, course requirements and grading system	a. Participation in discussions	abcdefg
2	Performance Routine Check-Up Before Driving  Visual Inspection Around the Vehicle  Tires  Lights and Indicators  Windshield and Wipers  Mirrors and Seats  Brakes and Pedals  Fluid Levels (if capable)  Dashboard Indicators	a. Perform a complete pre-driving inspection of a vehicle.  b. Identify potential issues that could compromise safety or vehicle function.  c. Demonstrate knowledge of key fluid levels and maintenance items.  d. Interpret dashboard warning indicators and take appropriate action.  e. Develop the habit of checking essential vehicle functions before starting a trip.	a. Video/power point presentation b. Individual participation in discussions a. Explain the Importance of measurement b. Describe the basic Sensors in Automobiles	a. Quiz b. participation	abcdefg

	Emergency Equipment				
3	Cleaning and Maintaining a Vehicle	<ul style="list-style-type: none"> <li>a. Identify the tools and materials used for proper vehicle cleaning (e.g., microfiber cloths, car shampoo, tire cleaner, vacuum).</li> <li>b. Demonstrate the correct method of washing and drying a vehicle exterior to avoid scratches and paint damage.</li> <li>c. Clean the vehicle interior (dashboard, seats, floor mats, windows) using appropriate cleaning products.</li> <li>d. Understand the importance of regular cleaning in preventing corrosion, improving safety (e.g., clean windshields and mirrors), and maintaining value.</li> <li>e. Practice environmentally responsible cleaning habits, such as proper water use and eco-friendly cleaning products.</li> </ul>	<ul style="list-style-type: none"> <li>a. Video/power point presentation</li> <li>b. Individual participation in discussions.</li> </ul>	<ul style="list-style-type: none"> <li>a. Quiz</li> <li>b. participation</li> </ul>	abcdefg

	<p>Examples of Minor Troubles:</p> <p>Dashboard warning lights (e.g., oil, battery, engine check)</p> <p>Low tire pressure</p> <p>Engine overheating (initial signs)</p> <p>Faulty lights or wipers</p> <p>Unusual sounds (squeaking brakes, engine knocking)</p> <p>d. Steering stiffness or pulling</p> <p>Irregular vibrations</p> <p>Delayed acceleration or gear shifts</p> <p>Fluid leaks (small oil or coolant spots)</p>	<ul style="list-style-type: none"> <li>a. Identify common minor mechanical and electrical issues encountered during vehicle operation.</li> <li>b. Interpret dashboard warning indicators and describe the immediate steps to take when they appear.</li> <li>c. Perform basic troubleshooting techniques (e.g., checking tire pressure, topping up fluids, assessing noise sources).</li> <li>d. Distinguish between minor issues and signs of more serious problems that require professional intervention.</li> <li>e. Take appropriate safety measures when a minor trouble is detected while driving (e.g., pulling over, reducing speed).</li> <li>f. Document and report minor troubles to maintenance personnel or supervisors if applicable.</li> </ul>	<p>a. Video/power point presentation</p> <p>b. Individual participation in discussions</p>	<p>a. Quiz</p> <p>b. participation</p>	abcdefg
5			MIDTERM EXAM		
6	BLOWBAG Vehicle Safety Check	<ul style="list-style-type: none"> <li>a. Recall and explain the meaning of each component in the BLOWBAG mnemonic.</li> <li>b. Perform a systematic BLOWBAG inspection before driving a vehicle.</li> <li>c. Identify possible faults or abnormalities during the check (e.g., low tire pressure, fluid leaks, dead battery).</li> </ul>	<p>a. Video/power point presentation</p> <p>b. Individual participation in discussions</p>	<p>a. Quiz</p> <p>b. participation</p>	abcdefg

		<p>d. Take appropriate action or report findings when any BLOWBAG component is faulty.</p> <p>e. Understand the importance of pre-trip inspections in preventing breakdowns and ensuring road safety.</p>			
7	<p>Understanding and Following Traffic Rules and Regulations</p> <p>Importance of traffic rules for road safety</p> <p>Road signs and pavement markings (regulatory, warning, and informative signs)</p> <p>Traffic lights and right-of-way rules</p> <p>Speed limits in various zones (urban, rural, school zones)</p> <p>No-parking/no-stopping zones</p> <p>Seat belt and helmet laws</p> <p>Use of mobile phones and distracted driving rules</p> <p>Driving under the influence (DUI) laws</p> <p>Pedestrian rights and crosswalk rules</p> <p>Local ordinances (e.g., smoke belching, color coding schemes)</p>	<p>a. Identify and interpret common road signs, markings, and traffic signals.</p> <p>b. Explain the key rules and regulations that govern driver behavior in different driving environments (urban, rural, expressway, etc.).</p> <p>c. Demonstrate knowledge of right-of-way rules and how to respond appropriately at intersections and pedestrian crossings.</p> <p>d. Describe the legal consequences of violating traffic rules, including fines, points, or license suspension.</p> <p>e. Apply traffic laws and regulations during practical driving exercises or simulations.</p> <p>f. Comply with local ordinances and special driving restrictions, such as coding or emission laws.</p> <p>g. Practice responsible and ethical driving habits aligned with legal standards and public safety.</p>	<p>a. Video/power point presentation</p> <p>b. Individual participation in discussions</p>	<p>a. Quiz</p> <p>b. participation</p>	abcdefg

	Consequences and penalties for violations				
8	<p><b>Hazards During Driving</b></p> <p>Road Conditions</p> <p>Weather-Related Hazards</p> <p>Mechanical Hazards</p> <p>Traffic and Human Factors</p> <p>Driver-Related Risks</p>	<ul style="list-style-type: none"> <li>a. Recognize and classify common driving hazards (environmental, mechanical, behavioral).</li> <li>b. Describe the risks associated with each type of hazard and how they impact vehicle control and safety.</li> <li>c. Apply safe driving techniques to minimize risks (e.g., reducing speed in rain, maintaining distance).</li> <li>d. Demonstrate hazard perception and response through simulations or real-world scenarios.</li> <li>e. Develop defensive driving habits to anticipate and avoid potential hazards.</li> <li>f. Evaluate their surroundings while driving using mirrors, awareness, and proactive scanning techniques.</li> <li>g. Know what actions to take during emergencies, such as mechanical failures or sudden obstacles.</li> </ul>	<p>a. Video/power point presentation b. Individual participation in discussions</p>	<p>a. Quiz b. participation</p>	abcdefg

<b>Fitness for Driving</b>	<ul style="list-style-type: none"> <li>a. Explain the concept of driver fitness and its importance in road safety.</li> <li>b. Identify physical and mental conditions that can impair driving ability.</li> <li>c. Recognize signs of fatigue, illness, or emotional distress that make driving unsafe.</li> <li>d. Describe the effects of alcohol, drugs, and medication on reaction time and decision-making.</li> <li>e. Demonstrate proper self-assessment before driving to determine fitness to operate a vehicle.</li> <li>f. Apply safe practices such as resting when tired, staying hydrated, and avoiding driving when unwell.</li> <li>g. Promote a culture of responsible driving by encouraging peers to avoid impaired driving.</li> </ul>	<ul style="list-style-type: none"> <li>a. Video/power point presentation</li> <li>b. Individual participation in discussions</li> </ul>	<ul style="list-style-type: none"> <li>a. Quiz</li> <li>b. participation</li> </ul>	abcdefg
9				

### FINAL EXAMINATION

Total No. of Hours : 54

## 8 COURSE REQUIREMENTS AND COURSE POLICIES

Each student is required to:

- COURSE REQUIREMENTS**
- 1 submit accomplished assignments, and activities;
  - 2 participate actively in all discussion;
  - 3 submit all the projects and activities; and

4. pass the major exams (midterm and final)

## COURSE POLICIES

- Attendance:** A student will be marked late if he/she enters the class 5 minutes after start of class period. Any student who comes to class 15 minutes after the scheduled time shall be marked absent.
- Missed work or exam:** Any student who missed to submit a work assignment or to take a test should consult the concerned instructor for immediate compliance
- Cheating and Plagiarism:** Any student who committed any form of academic dishonesty (e.g., copy-paste plagiarism) shall be given disciplinary action provided in the SKSU Student's Handbook
- Use of Technology:** Cell phones should be turned off while the session is in progress. Using laptops, notebook PCs, smart phones, and tablets shall be allowed only when needed.
- Attire, and Haircut:** Students are required to follow the agreement discuss during class orientation.

## 9 GRADING SYSTEM AND RUBRICS FOR GRADING

### GRADING SYSTEM

Midterm Grade	
Midterm Examination	50%
Attendance/ Class Participation	10%
Quizzes	10%
Project	20%
Report	10%
<b>TOTAL</b>	<b>100%</b>

Final Term Grade		FINAL
GRADE		
Final Term Examination	45%	Midterm Grade 50%
Attendance/Class Participation	10%	Final Term Grade 50%
Quizzes	10%	<b>TOTAL</b> 100%
Project	20%	
Report	15%	
<b>TOTAL</b>	<b>100%</b>	

**Materials used:** Laptop, Powerpoint presentations and video clips  
Books, Online slides, Teacher-made slides ,

References:

Lamm, R., Choueiri, E. M., & Mailaender, T. (2020). *Highway and Traffic Safety: Concepts and Practices*. McGraw-Hill Education.

National Highway Traffic Safety Administration (NHTSA). (2022). *Driver fitness and traffic safety*. <https://www.nhtsa.gov>

public of the Philippines, Land Transportation Office (LTO). (2021). *Driver's Manual*. Department of Transportation. <https://lto.gov.ph>

Gibson, P., & McLean, D. (2019). *The Theory and Practice of Road Safety Education*. Routledge.

World Health Organization (WHO). (2021). *Road safety: Basic facts and global statistics*. <https://www.who.int/publications/i/item/9789240052212>

Mayhew, D. R., & Simpson, H. M. (2017). *New driver safety: The impact of health and behavior on road risk*. Journal of Safety Research, 61, 17–24. <https://doi.org/10.1016/j.jsr.2017.02.003>

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