Republic of the Philippines
SULTAN KUDARAT STATE UNIVERSITY
EJC Montilla, 9800 City of Tacurong
Province of Sultan Kudarat

COLLEGE OF INDUSTRIAL TECHNOLOGY
TLE 221 – TEACHING COMMON COMPETENCIES IN INDUSTRIAL ARTS

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

INSTITUTIONAL OUTCOMES (IO)

a. Enhance competency development, commitment, professionalism, unity and true spirit of service for public accountability, transparency and delivery of quality services
b. Provide relevant programs and professional trainings that will respond to the development needs of the region
c. Strengthen local and international collaborations and partnerships for borderless programs
d. Develop a research culture among faculty and students
e. Develop and promote environmentally-sound and market-driven knowledge and technologies at par with international standards
f. Promote research-based information and technologies for sustainable development
g. Enhance resource generation and mobilization to sustain financial viability of the university

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

	INSTITUTIONAL OUTCOMES (IO)						
A graduate of Sultan Kudarat State University can:	IO a	IO b	IO c	IO d	IO e	IO f	IO g
a. Articulate effectively and independently in multi-disciplinary and multi-cultural teams the latest development in the fields practiced such as Automotive, Architectural Drafting, Civil, Electrical, Electronics, Food and its allied discipline,	✓	✓		✓	✓	✓	
b. Lead in the promotion and preservation of Filipino historical and cultural heritage, social empowerment and environmental sustainability in a professional and ethical approach.	✓	✓	✓	✓	✓	✓	✓
c. Generate research-based information and technologies at par from international standards, and	✓	✓	✓	✓	✓	✓	✓
d. Promote and transfer knowledge and technologies for effective and efficient school-industry partnership	✓	✓	✓	✓	✓	✓	✓

1 **COURSE CODE** TLE 221
2 **COURSE TITLE** TEACHING COMMON COMPETENCIES IN INDUSTRIAL ARTS
3 **PREREQUISITE** None
4 **CREDITS** 3 units

5 **COURSE DESCRIPTION**
THIS COURSE INTRODUCES STUDENTS TO THE FUNDAMENTAL COMPETENCIES REQUIRED IN INDUSTRIAL ARTS, INCLUDING SAFETY PRACTICES, BASIC HAND AND POWER TOOL OPERATIONS, MEASUREMENT AND LAYOUT TECHNIQUES, AND AN OVERVIEW OF MATERIALS USED IN THE INDUSTRY. THE COURSE EMPHASIZES PRACTICAL SKILLS DEVELOPMENT, SAFETY AWARENESS, AND FOUNDATIONAL KNOWLEDGE NECESSARY FOR VARIOUS INDUSTRIAL ARTS DISCIPLINES.

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

Course Learning Outcomes (CLO)	Program Outcomes			
At the end of the course, a student can:	a	b	c	d
a. Demonstrate proper safety practices in the Industrial Arts workshop				✓
b. Identify and use basic hand and power tools correctly and safely				✓
c. Apply accurate measurement and layout techniques in projects				✓
d. Recognize common materials used in Industrial Arts and their properties				✓
e. Exhibit teamwork and effective communication in workshop activities	✓	✓		

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** *SKSU VMGO, Classroom Policies, Course Overview, Course Requirements, Grading System*	At the end of the Orientation, the Learners can: Discusses 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		
2-3	**Workshop Safety Practices**	a. Identify common hazards in the workshop environment b. Demonstrate proper use of personal protective equipment (PPE) c. Apply safety rules and procedures in the workshop	Demonstration, safety drills, video presentation, group discussion	Safety quiz, practical safety demonstration	a

	Hand Tools: Identification and Use	a. Identify common hand tools and their uses b. Demonstrate proper handling and maintenance of hand tools	Lecture, tool demonstration, hands-on practice	Practical test on tool identification and use	b
6-7	**Power Tools**: Types and Safety	a. Identify types of power tools used in Industrial Arts b. Demonstrate safe operation of selected power tools	Lecture, demonstration, supervised hands-on activities	Practical assessment on power tool operation	b
8-9	**Measurement and Layout Techniques**	a. Use measuring instruments accurately (e.g., ruler, caliper, square) b. Perform layout marking for cutting and assembly	Lecture, demonstration, hands-on exercises	Written quiz, practical measurement exercise	c
10	**MIDTERM EXAM**				
11-12	**Materials in Industrial Arts**	a. Identify common materials (wood, metal, plastic) b. Describe properties and common uses of materials	Lecture, material samples examination, group research	Quiz, material identification practical	d
13-14	**Basic Project Planning and Teamwork**	a. Demonstrate teamwork in project planning and execution b. Communicate effectively within a team	Group activities, role-playing, project planning exercises	Group project evaluation, peer assessment	e
15-16	**Review and Application**	a. Integrate safety, tool use, measurement, and materials knowledge in project work	Project work, instructor feedback, peer review	Final project presentation and evaluation	a, b,c,d,e
17	**FINAL EXAM**				

Total No. of Hours: 120

COURSE REQUIREMENTS AND COURSE POLICIES

COURSE REQUIREMENTS Each student is required to:

1. Regularly attend and participate in class discussions and activities.
2. Comply with workshop safety rules and policies.
3. Pass the major exams (midterm and final).
4. Adhere to drafting standards and conventions.

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 or always lat for three consecutive meetings 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 Handbook
Use of Technology: Cell phones should be turned off while the session is in progress. Using laptops, notebook PCs, smart phones, and t ablets shall be allowed only when needed.

9 GRADING SYSTEM AND RUBRICS FOR GRADING

GRADING SYSTEM

Midterm Grade

Projects/Presentations	30%
Examination	35%
Attendance/ Class Participation	15%
Quizzes/ Reflection Papers	20%
TOTAL	**100%**

Final Grade

Projects/Presentations	30%
Examination	35%
Attendance/ Class Participation	15%
Quizzes/ Reflection Papers	20%
TOTAL	**100%**

RUBRICS FOR PRESENTATION

Criteria	Excellent (4)	Very Good (3)	Good (2)	Needs Improvement (1)	Score
Content Accuracy & Depth	All information is accurate, comprehensive, and well-explained; demonstrates in-depth understanding of the topic.	Information is accurate and well-explained; minor omissions or errors.	Most information is accurate; lacks depth or has some inaccuracies.	Information is mostly incorrect or incomplete; poor explanation.	
Organization & Clarity	Ideas are logically organized; transitions are smooth; presentation is clear and easy to follow.	Good organization; clear presentation with minor lapses.	Organization is apparent but somewhat confusing; unclear transitions.	Disorganized; difficult to follow or understand.	
Visual Aids & Materials	Uses highly effective, relevant, and visually appealing aids/materials that enhance understanding.	Visual aids are appropriate and helpful; support presentation.	Some visual aids; limited effectiveness or relevance.	No or poor-quality visual aids; ineffective use of materials.	
Delivery & Communication Skills	Confident, engaging; clear voice; excellent eye contact; uses appropriate body language.	Clear voice; generally confident; some eye contact; acceptable body language.	Audibility or confidence lacking; minimal eye contact; limited body language.	Mumbles; hard to hear; reads entirely from notes; no engagement.	

REFERENCES

American Welding Society. (2019). *Industrial safety and health management* (7th ed.). Pearson.
Carpenter, C. (2021). *Basic hand and power tools: A practical guide* (3rd ed.). Industrial Press.
Krause, F. (2018). *Measurement and layout techniques in industrial arts.* McGraw-Hill Education.
Rosenberg, D. (2020). *Materials and processes in manufacturing* (11th ed.). Wiley.
Smith, J., & Lee, T. (2022). *Workshop safety and best practices.* Routledge.

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