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

COLLEGE OF INDUSTRIAL TECHNOLOGY
ADT 111 – DRAFTING FUNDAMENTALS AND THEORY OF DESIGN

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)

v. Enhance competency development, commitment, professionalism, unity and true spirit of service for public accountability, transparency and delivery of quality services
w. Provide relevant programs and professional trainings that will respond to the development needs of the region
x. Strengthen local and international collaborations and partnerships for borderless programs
y. Develop a research culture among faculty and students
z. Develop and promote environmentally-sound and market-driven knowledge and technologies at par with international standards
aa. Promote research-based information and technologies for sustainable development
bb. 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:	a	b	c	d	e	f	g
m. 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,	✓	✓		✓	✓	✓	✓
n. Lead in the promotion and preservation of Filipino historical and cultural heritage, social empowerment and environmental sustainability in a professional and ethical approach.	✓	✓	✓	✓	✓	✓	✓
o. Generate research-based information and technologies at par from international standards, and	✓	✓	✓	✓	✓	✓	✓

p. Promote and transfer knowledge and technologies for effective and efficient school-industry partnership	✓	✓	✓	✓	✓	✓	✓

1 COURSE CODE ADT 111

2 COURSE TITLE DRAFTING FUNDAMENTALS AND THEORY OF DESIGN

3 PREREQUISITE NONE

4 CREDITS 3 units

5 COURSE DESCRIPTION

THIS COURSE COVERS THE FUNDAMENTALS OF DRAFTING AND DESIGN THEORY. IT INCLUDES THE USE OF DRAWING TOOLS, PROPER TECHNIQUES IN FREEHAND AND MECHANICAL DRAWING, AND THE CONCEPTUAL UNDERSTANDING OF BASIC ELEMENTS AND PRINCIPLES. EMPHASIS IS PLACED ON VISUAL COMMUNICATION, PRECISION, AND CREATIVITY IN ARCHITECTURAL AND ENGINEERING CONTEXTS.

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 competency in using drafting tools and equipment properly and safely.	✓	✓	✓	✓
b. Produce accurate technical drawings using freehand and mechanical techniques.	✓		✓	✓
c. Explain and apply the elements and principles of design in visual compositions	✓		✓	✓
d. Integrates drafting skills and design concepts into simple architectural layouts and presentations	✓	✓	✓	✓

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: a. Discusses the University's VMGO, classroom policies, course overview, requirements, and grading system	Discuss the VMGO of the University, the classroom policies, the scope of the course, course requirements, and the grading system		
2	**Introduction to Drafting**	At the end of the Lesson, the Learners can: a. Explain what drafting is and its significance b. Identify fields where drafting is used	a. Lecture b. class discussion c. group sharing	a. Written Work Assessment b. Reflection output c. class recitation	A
3	**Drafting Tools and Equipment**	At the end of the Lesson, the Learners can: a. Identify and describe the proper use of tools b. Demonstrate care and maintenance of tools	a. Demonstration b. laboratory practice c. Hands-on activities	a. hands -on exercise b. Performance task	A

4	**Alphabets of lines and line techniques**	At the end of the Lesson, the Learners can: a. Draw different line types b. Understand line weight and functions	a. lecture b. plate-making c. hands-on	a. plate submission b. peer assessment	AB
5	**Lettering and bordering**	At the end of the Lesson, the Learners can: a. Execute freehand and mechanical lettering b. Creates borders and title blocks	a. lecture and demo b. hands on practice	a. geometry plate b. spot checking	AB
6	**Geometric Construction**	At the end of the Lesson, the Learners can: a. Draw basic geometric figures using drafting tools	a. Demo b. Drawing activities c. feedback session	a. Dimensional plate b. Practical tasks	C
7	**Dimensioning techniques**	At the end of the Lesson, the Learners can: a. Apply correct dimensioning standards b. Understand types of dimensioning	a. lecture b. visual analysis c. group critique	a. Design worksheet b. Group discussion output	C
8	**Elements and principles of design**	At the end of the Lesson, the Learners can: a. Identify and apply color schemes in design	a. color palette activity b. hands-on coloring tasks	a. practical coloring task b. critique	C
9	**MIDTERM EXAM**				
10	**Shape, form, space, and texture**	At the end of the Lesson, the Learners can: a. Understand the concepts of form and space b.Apply textures in design drawings	a. Demo b. Visual drawing activity c. Group analysis	a. Design plate b. Peer critique	C
11	**Balance, rhythm, and emphasis**	At the end of the Lesson, the Learners can: a. Apply rhythm and balance in design compositions	a. design workshop b. peer critique c. reflection writing	a. Design project b. reflection output	C
12	**Creating layouts and compositions**	At the end of the Lesson, the Learners can: a. Combine drafting skills and design theory in layout work	a. studio work b. guided design exercises	a. layout plate b. presentation	D
13	**Visual presentation techniques**	At the end of the Lesson, the Learners can: a. Prepare clean and visually appealing presentation boards	a. demo b. portfolio preparation c. group feedback	a. final plate output b. class presentation	D
14	**Design thinking and simple problem-solving**	At the end of the Lesson, the Learners can: a. Apply design thinking to solve simple layout/design problems	a. lecture b. design challenge c. brainstorming	a. group design task b. reflection write-up	D

15	**Portfolio compilation & presentation**	At the end of the Lesson, the Learners can: a. compile final works in a portfolio b. Present and defend design outputs	a. studio time b. peer and instructor review c. final oral presentation	a. portfolio b. oral defense	ABCD
	FINAL EXAMINATION				

Total No. of Hours : 120

8 COURSE REQUIREMENTS AND COURSE POLICIES

COURSE REQUIREMENTS

Each student is required to:

13. Attend classes on schedule time and day.
14. Accomplish all hands-on activities in DRAFTING FUNDAMENTALS AND THEORY OF DESIGN
15. Pass the major exams (midterm and final)
16. Perform hands-on activity in DRAFTING FUNDAMENTALS AND THEORY OF DESIGN

COURSE POLICIES

Attendance: A student will be marked late if he/she enters the class 5 minutes after the start of the class period. Any student who comes to class 15 minutes after the scheduled time or l always late for three consecutive meetings shall be marked absent.
Missed work or exam: Any student who failed to submit a work assignment or to take a test should consult the concerned instructor for immediate compliance
Cheating and Plagiarism: Any student who commits any form of academic dishonesty (e.g., copy-paste plagiarism) shall be given disciplinary action provided in the SKSU Student's Handboo
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.

9 GRADING SYSTEM

GRADING SYSTEM

Midterm Grade	
Plates	45%
Examination	35%
Attendance/ Class Participation	15%
Quizzes/output	10%
TOTAL	**100%**

Final Grade	
Plates	45%
Examination	35%
Attendance/ Class Participation	15%
Quizzes/output	10%
TOTAL	**100%**

10 REFERENCES

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Lauer, D.A. & Pentak, S. (2015). *Design Basics* (9th ed.). Cengage Learning.
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Wong, W. (1993). *Principles of Form and Design*. John Wiley & Sons.
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Smith, A. (2014). *Engineering Drawing and Design* (5th ed.). Delmar Cengage Learning.

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