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

COLLEGE OF INDUSTRIAL TECHNOLOGY
CCT ADT 111 - NATIONAL BUILDING CODE

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:	a	b	c	d	e	f	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** DT 322

2 **COURSE TITLE** NATIONAL BUILDING CODE OF THE PHILIPPINES

3 **PREREQUISITE** DT 222

4 **CREDITS** 3 units

5 **COURSE DESCRIPTION**

This course provides a comprehensive study of the National Building Code of the Philippines (PD 1096), aimed at equipping students and professionals with essential knowledge on the standards and regulations governing building design, construction, occupancy, and maintenance in the Philippines. Through detailed discussions, case studies, and practical applications, participants will explore the Code's key provisions related to structural safety, fire and life safety, sanitation, accessibility, zoning regulations, and environmental design. The course emphasizes the importance of compliance in promoting safe, efficient, and sustainable built environments, and serves as a foundation for students in architecture, engineering, construction, and urban planning. It also highlights the roles and responsibilities of stakeholders such as architects, engineers, contractors, and building officials in upholding the law.

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. Understand the purpose, structure, and scope of the National Building Code of the Philippines.	✓	✓		✓
b. Interpret and apply specific code provisions in real-world construction scenarios:	✓	✓		✓
c. Analyze the impact of code compliance on safety, sustainability, and public welfare:	✓	✓	✓	✓
d. Identify the roles of various professionals and agencies involved in code enforcement		✓	✓	✓
e. Develop code-compliant design and construction solutions	✓	✓	✓	✓

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. 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		
1	**CHAPTER I** **General Provisions**	At the end of the Lesson, the Learners can:	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abd

		a. Define the scope and application of the NBCP and its relevance to building construction in the Philippines. b. Interpret key terms and definitions used in the NBCP to ensure clarity in legal and technical contexts. c. Understand the roles and responsibilities of building owners, designers, and officials under the NBCP.	d. Multiple Visual Presentation for problem solving		
1	**CHAPTER II** **Administration and Enforcement**	At the end of the Lesson, the Learners can: a. Identify the qualifications and duties of building officials responsible for enforcing the NBCP. b. Explain the procedures for the issuance, suspension, and revocation of building permits. c. Analyze the penalties and fines associated with non-compliance to the NBCP.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abd
2	**CHAPTER III** **Permits and Inspection**	At the end of the Lesson, the Learners can: a. Describe the application process for building permits, including required documents and approvals. b. Understand the inspection procedures during construction and upon completion. c. Identify the roles of various professionals (e.g., architects, engineers) in the permit and inspection process.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abd
3	**CHAPTER IV** **Types of Construction**	At the end of the Lesson, the Learners can: a. Classify buildings according to their type of construction (e.g., Type I to Type V). b. Understand the fire-resistive requirements for each construction type. c. Apply knowledge of construction types to determine appropriate materials and methods.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
4	**CHAPTER V**	At the end of the Lesson, the Learners can:	a. Oral Reporting and presentation b. Interactive Lecture	Written Work Assessment Concept Note from the Discussion	abcde

	Requirements of Fire Zones	a. Define fire zones and their significance in building safety. b. Determine the appropriate fire zone classification for a given location c. Apply fire zone regulations to design buildings that minimize fire risks.	b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Oral Recitation / board work	
5	**CHAPTER VI** **Fire-Resistive Requirements in Construction**	At the end of the Lesson, the Learners can: a. Understand the concept of fire-resistive ratings and their importance in building design. b. Identify materials and assemblies that meet required fire-resistive standards. c. Apply fire-resistive requirements to ensure structural integrity during fire events.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
6	**CHAPTER VII** **Classification and General Requirements of Buildings by Use or Occupancy**	At the end of the Lesson, the Learners can: a. Classify buildings based on their intended use or occupancy (e.g., residential, commercial). b. Understand the specific requirements for each building classification. c. Apply occupancy classifications to determine appropriate building design and safety measures.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
7	**CHAPTER VIII** **Light and Ventilation**	At the end of the Lesson, the Learners can: a. Understand the requirements for natural light and ventilation in buildings. b. Apply design principles to ensure adequate light and air circulation. c. Evaluate building layouts to comply with light and ventilation standards.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
8	**CHAPTER IX** **Sanitation**	At the end of the Lesson, the Learners can: a. Understand the sanitation requirements for water supply and wastewater disposal. b. Apply standards for plumbing and drainage systems in building design. c. Evaluate sanitation systems to ensure public health and safety.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
9	**MIDTERM EXAM**				

	CHAPTER X **Building Projection Over Public Streets comply with NBCP standards.**	At the end of the Presentation, the Learners can: a. Identify the regulations for building projections (e.g., balconies, canopies) over public streets. b. Understand the safety and accessibility considerations for such projections. c. Apply guidelines to design projections that	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
11	**CHAPTER XI** **Protection of Pedestrians During Construction or Demolition**	At the end of the Presentation, the Learners can: a. Understand the safety measures required to protect pedestrians during construction or demolition activities. b. Identify the responsibilities of contractors and building officials in ensuring pedestrian safety. c. Apply protective measures to minimize risks to the public during construction processes.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
12	**CHAPTER XII** **General Design and Construction Requirements**	At the end of the Presentation, the Learners can: a. Understand the general design principles and construction standards set by the NBCP. b. Apply these principles to ensure structural integrity and safety. c. Evaluate building designs to comply with NBCP requirements.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
13	**CHAPTER XIII** **Structural Design**	At the end of the Presentation, the Learners can: a. Understand the structural design requirements for various building types. b. Apply engineering principles to design safe and stable structures. c. Evaluate structural designs to ensure compliance with NBCP standards	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
14	**CHAPTER XIV** **Materials and Construction Methods**	At the end of the Presentation, the Learners can: a. Identify acceptable materials and construction methods under the NBCP. b. Understand the properties and suitability of different materials for construction. c. Apply knowledge of materials to select appropriate options for building projects.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde

	CHAPTER XV **Prefabricated Construction**	At the end of the Presentation, the Learners can: a. Understand the requirements for prefabricated construction methods. b. Evaluate the advantages and limitations of using prefabricated components. c. Apply prefabrication techniques to improve construction efficiency and quality.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
16	**CHAPTER XVI** **Plastics**	At the end of the Presentation, the Learners can: a. Understand the regulations regarding the use of plastics in building construction. b. Identify acceptable types of plastics and their applications. c. Apply guidelines to ensure the safe use of plastics in building projects.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
17	**CHAPTER XVII** **Sheet Metal Paint Spray Booths**	At the end of the Presentation, the Learners can: a. Understand the requirements for constructing sheet metal paint spray booths. b. Identify safety measures to prevent fire hazards in spray booths. c. Apply design standards to ensure compliance with NBCP regulations for spray booths.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
18	**CHAPTER XVIII** **Elevators and Escalators**	At the end of the Presentation, the Learners can: a. Understand the design and safety requirements for elevators and escalators. b. Identify the standards for installation and maintenance of vertical transportation systems. c. Apply these standards to ensure safe and efficient operation of elevators and escalators.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
19	**CHAPTER XIX** **The Use of Computers**	At the end of the Presentation, the Learners can: a. Understand the role of computers in building design and construction. b. Identify software tools that assist in compliance with NBCP standards. c. Apply computer-aided design (CAD) techniques to enhance building planning and documentation.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde

	CHAPTER XX **Signs**	At the end of the Presentation, the Learners can: a. Understand the regulations governing the installation and maintenance of signs. b. Identify the types of signs covered under the NBCP. c. Apply sign regulations to ensure safety and aesthetic compliance in building projects.	a. Oral Reporting and presentation b. Interactive Lecture b. Prior knowledge probing c. Follow-up questioning d. Multiple Visual Presentation for problem solving	Written Work Assessment Concept Note from the Discussion Oral Recitation / board work	abcde
FINAL EXAMINATION					

Total No. of Hours : 120

8 COURSE REQUIREMENTS AND COURSE POLICIES

COURSE REQUIREMENTS

Each student is required to:

1. Attend classes on schedule time and day.
2. Accomplish all assessment in National building code of the Philippines;
3. Pass the major exams (midterm and final)
4. Perform Oral Reporting and Presentations.

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 late 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'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.

9 GRADING SYSTEM AND RUBRICS FOR GRADING

GRADING SYSTEM

Midterm Grade

Midterm Examination	50%
Oral Presentation	25%
Attendance/ Class Participation	10%
Quizzes	15%
TOTAL	**100%**

Final Term Grade

Final Examination	50%
Oral Presentation	25%
Attendance/ Class Participation	10%
Quizzes	15%
TOTAL	**100%**

FINAL GRADE

Midterm Grade	50%
Final Term Grade	50%
Total	**100%**

Rubric for Construction Estimate and Project Scaled Model Presentation

Criteria	1.0 (Excellent)	1.25 (Very Good)	1.5 (Good)	1.75 (Satisfactory)	2.0 (Needs Improvement)
Clarity of Presentation	Clear, concise, and easy to understand; well-organized structure.	Mostly clear with minor areas of confusion; organized.	Understandable but occasionally unclear or disorganized.	Somewhat unclear or lacking organization; could be more concise.	Difficult to understand; poorly organized.
Content & Accuracy	All information is accurate, relevant, and thoroughly explained.	Information is mostly accurate and relevant; minor details missing.	Adequate content but with some inaccuracies or incomplete explanations.	Some inaccuracies or irrelevant content; incomplete explanations.	Many inaccuracies or irrelevant information; lacking details.
Visual Aids/Models	Excellent use of visual aids/models; they enhance the understanding of the project.	Good use of visual aids/models; supports most key points.	Visual aids/models are used but could be more detailed or helpful.	Minimal use of visual aids/models or unclear visuals.	No visual aids/models or poorly executed visuals
Delivery & Presentation Skills	Confident, engaging, and professional delivery; excellent use of tone, body language, and eye contact.	Clear and confident delivery; minor issues with tone or body language.	Adequate delivery with some nervousness or lack of engagement; minor issues.	Delivery lacks confidence or engagement; noticeable issues with tone or body language.	Unclear or very nervous delivery; major issues with tone, body language, or eye contact.
Overall Impact	The presentation is compelling, memorable, and clearly communicates key ideas effectively.	Engaging and informative; most key points are well communicated.	Sufficient presentation, but lacks strong impact or memorable elements.	Presentation is somewhat disengaging; missing key elements.	Presentation lacks impact and fails to effectively communicate key ideas.

REFERENCES

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