



Central International University-CIU
Diversity Learning Institute-DLI
Twikatane e.V Germany

Skills Curriculum/Syllabus

Course Duration: 3 to 6 months

Course: Construction & Carpentry

Syllabus Outline: Construction and Carpentry

Module 1: Introduction to Construction

Module 2: Carpentry Fundamentals

Module 3: Construction Methods and Techniques

Module 4: Interior Finishing and Trim Work

Module 5: Electrical and Plumbing Basics

Module 6: Construction Project Management

Course Objectives

1. Knowledge Acquisition: To develop a comprehensive understanding of construction principles, techniques, and materials used in the field of carpentry.
2. Skill Development: To acquire practical skills in carpentry, including measuring, cutting, shaping, and joining various types of wood and other construction materials.
3. Safety Awareness: To understand and adhere to safety practices and regulations in construction and carpentry work, ensuring a safe working environment for oneself and others.
4. Blueprint Interpretation: To learn how to read and interpret construction blueprints, plans, and specifications, enabling effective execution of carpentry projects.
5. Building Codes and Regulations: To familiarize oneself with local building codes and regulations, ensuring compliance in construction and carpentry projects to meet legal and safety requirements.
6. Construction Project Management: To develop knowledge of project management principles, including scheduling, budgeting, and resource allocation, to effectively plan and execute carpentry projects.
7. Sustainability and Environmental Considerations: To understand the importance of sustainable construction practices, including the use of environmentally friendly materials, waste management, and energy-efficient design.
8. Collaboration and Communication: To enhance communication and teamwork skills necessary for effective collaboration with architects, engineers, clients, and other construction professionals involved in carpentry projects.
9. Quality Assurance: To learn techniques for ensuring high-quality craftsmanship, attention to detail, and precision in carpentry work, resulting in durable and aesthetically pleasing structures.
10. Adaptability and Problem-Solving: To develop the ability to adapt to various construction challenges, troubleshoot issues, and find innovative solutions during carpentry projects.

11. Professionalism and Ethical Conduct: To cultivate professionalism, integrity, and ethical behavior in the construction and carpentry industry, maintaining a positive reputation and fostering trust with clients and stakeholders.
12. Entrepreneurship and Business Skills: To gain knowledge of business principles, estimating costs, bidding processes, and customer relations to support entrepreneurial ventures in carpentry and construction.

By pursuing these objectives, students studying Construction and Carpentry can acquire the necessary knowledge, skills, and attitudes to succeed in the industry and contribute to the construction sector's growth and development.