

## CMI COURSE CURRICULUM COURSE ACTION

**Course Title: Introduction to Construction**
**Alpha Number: VCARP 101 CIP No.46.0000**
**Type of Action:**
☐ New Course (attach narrative justification for course creation)

☒ Substantive Revision (attach narrative justification for changes, including assessment and/or achievement data and feedback from the advisory committee if relevant)

Select all that apply:

☐ Change in number of credit hours

☐ Change in prerequisite

☒ Substantive change in course content

☒ Change to SLOs

☐ Other:

☐ Non-substantive Revision

Select all that apply:

☐ Change in Alpha Number or Title (unless letter abbreviation has not previously been used)

☐ Edit to course description that does not alter the substance of the course

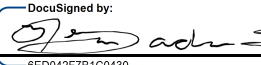
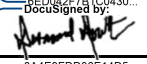
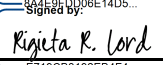
☐ Change to recommended texts

☐ Other

☐ Reinstitution of Archived Course (attach narrative justification for reinstitution, including evidence of demand, evidence of capacity, feedback from the advisory committee if relevant, and Commentary that speaks directly to the reasons the course was initially archived)

☐ Reaffirmation of Course (only allowable if course completion rate exceeds ISS, the benchmark has been met for the majority of SLO assessments, and there is no evidence of inequitable levels of achievement across subpopulations; attach evidence)

**Approvals:**

|                            | Name                 | Signature                                                                                                                                 | Date      |
|----------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Department Chair           | Waisake Savu         | <br><small>DocuSigned by: 6ED042F7B1C0430...</small> | 4/21/2025 |
| Curriculum Committee Chair | Desmond Doulatram    | <br><small>DocuSigned by: 8A4E9FDD06E14D5...</small> | 5/4/2025  |
| Dean                       | Rigjeta Lord         | <br><small>Signed by: E719CB3192EB4F4...</small>     | 5/4/2025  |
| VPASA                      | Dr. Elizabeth Switaj | <br><small>DocuSigned by: 898EB38DDC23455...</small> | 5/5/2025  |

**CMI COURSE OUTLINE****CIP No.** 46.0000**Version No.** 003VCARP 101

Introduction to Construction

**Alpha Number****Course Title****Previous Alpha Number:****Course Description:**

Provides a foundational understanding of construction principles, methods, and safety practices. Students will gain an overview of construction tools, materials, techniques, and the roles and responsibilities within the construction industry. Emphasis is placed on safety standards, blueprint reading, and basic construction tasks to prepare students for further specialized training in the field.

**Course originally prepared by:** Diane Myazoe-deBrumJuly 2010**Most recent revision by:**Rigietta LordWAVESApril/2025**Course mode(s):** ☒ Face to Face (including Zoom) ☐ Hybrid ☐ Distance Education**Credits calculated by:** ☐ Credit Hour ☒ Clock Hour**Contact Hours:** 105

| Type                     | No. of Hours | No. of Credits | Maximum No. of Hours Online |
|--------------------------|--------------|----------------|-----------------------------|
| Lecture/Seminar/Workshop | 15           | 1              |                             |
| Clinical                 |              |                |                             |
| Practicum                |              |                |                             |
| Lab                      | 90           | 2              |                             |
| Fieldwork                |              |                |                             |
| Studio Time              |              |                |                             |
| <b>Total</b>             | 105          | 3              |                             |

**Purpose(s) of Course:** Degree Requirement \_\_\_\_\_  
Degree Elective \_\_\_\_\_  
General Education \_\_\_\_\_  
Credit Certification X (Certificate of Completion in Carpentry)  
Developmental \_\_\_\_\_  
CTE/TVET x \_\_\_\_\_  
ABE/Adult HS \_\_\_\_\_

**Distribution Area:** Humanities \_\_\_\_\_  
Social Sciences \_\_\_\_\_  
Mathematics (Credit) \_\_\_\_\_  
Science \_\_\_\_\_

**Prerequisite:** None

**Student Learning Outcomes:** Upon completion of this course, students will be able to:

1. Describe the structure and key components of the construction industry.
2. Identify and properly use basic construction tools and materials.
3. Interpret simple blueprints and construction drawings.
4. Demonstrate safe work practices and understand OSHA safety guidelines.
5. Complete basic construction tasks such as measuring, cutting, and assembling materials.

**SLO Mapping:**

| Prerequisite Course SLO | Linked SLO from this Course | Explanation |
|-------------------------|-----------------------------|-------------|
| NA                      | -                           | -           |

**Links to Program Learning Outcomes:**

| SLO | Linked PLO | I/P/M | Explanation of Link                                                                                     |
|-----|------------|-------|---------------------------------------------------------------------------------------------------------|
| 1   | 1          | I     | Demonstrate basic construction fundamentals                                                             |
| 2   | 1          | I     | Demonstrate basic construction fundamentals                                                             |
| 3   | 4          | I     | Read and interpret plans and drawings                                                                   |
| 4   | 3          | I     | Practice construction safety precautions                                                                |
| 5   | 1,7        |       | Demonstrate basic construction fundamentals,<br>Demonstrate and practice essential employability skills |

**Course Content:** Students in this course will be introduced to:

1. Introduction to the Construction Industry
  - Overview of the construction sector and career pathways
  - Roles and responsibilities in construction projects
  - Current trends and technologies in construction
2. Tools and Materials
  - Common construction tools: hammers, saws, drills, levels, and measuring tapes
  - Introduction to construction materials: wood, concrete, steel, and fasteners
  - Safe handling and storage of tools and materials
3. Blueprint Reading
  - Basic symbols and terminology used in construction drawings
  - Understanding dimensions and scales
  - Interpreting simple plans for construction tasks
4. Safety Practices
  - OSHA safety guidelines for construction workers
  - Personal protective equipment (PPE) and its proper use
  - Identifying and mitigating hazards in the construction environment
5. Basic Construction Techniques
  - Measuring and marking materials accurately
  - Cutting and assembling wood and other materials
  - Introduction to fastening methods: nails, screws, and adhesives

- Overview of site preparation and layout
- 6. Interior and Finishing Techniques
  - Types of wall coverings
  - Installation techniques for walls and ceilings
  - Interior trimming and types of trim
  - Interior doors and their installation
  - Types of ceilings and their installation
  - Types of stairs and basic woodworking techniques
- 7. Estimation and Project Planning
  - Methods of estimation for materials and labor
  - Basic project planning and scheduling techniques

### Higher Order Thinking Skills

- ☒ Analyzing the basic elements of an idea, experience, or theory
- ☒ Making judgements about the value or soundness of information, arguments, or methods
- ☒ Applying theories or concepts to practical or in new situations

### Recommended Methods of Instruction

- ☒ Demonstration
- ☒ Lecture
- ☐ Small group discussion
- ☒ Class discussion
- ☒ Audio-Visual Aids
- ☒ Laboratory
- ☒ Supervised Practice
- ☒ Field Trips
- ☒ Other:

### Recommended Assessment Tool Type(s):

- ☐ Case Study
- ☒ Critique of Performance
- ☒ Exam/Quiz In-Course
- ☐ Exam/Quiz Standardized (attach narrative describing development and validation process)
- ☐ Focus Group
- ☒ Group Project
- ☒ Individual Project
- ☒ Observation
- ☒ Portfolio Review
- ☒ Presentation
- ☐ Simulation
- ☒ Skill Performance
- ☒ Supervisor Evaluation
- ☐ Survey
- ☐ Written Assignment

### Required Forms of Regular and Substantive Interaction for Hybrid or Distance Education Courses (Select at Least Two):

- ☐ Direct instruction through:
  - ☐ Live video lectures
  - ☐ Live audio-only lectures
  - ☐ Live text chats
- ☐ Assessing or providing feedback on a student's coursework
- ☐ Providing information or responding to questions about the content of a course or competency through

- ☐ Live video discussions
- ☐ Live audio-only discussions
- ☐ Live text chats
- ☐ Facilitating a group discussion regarding the content of a course or competency through:
  - ☐ Live video discussion
  - ☐ Live texts chats
  - ☐ Asynchronous message boards or text chats
- ☐ Other, specify:

Note: for distance education courses, if only two are selected, both must occur within the course on a weekly basis. If more than two are selected, the instructor may choose which two are used during each week.

**Equipment and Materials:**

1. Recommended texts: Feirer, M. D., & Feirer, J. L. (2003). *Carpentry & building construction: Student text* (Student ed.). Glencoe/McGraw-Hill School Publishing. ISBN 978-0078227028

2. Equipment/Facilities:  
Laptop for Moodle, and Online Activities

3. Materials and Supplies:  
Rules, Graphing paper, manipulative learning materials

**Connection to College Mission:**

The College of the Marshall Islands will provide our community with access to quality, higher and further educational services, prioritize student success through engagement in relevant Academic, Career and Technical Education, and be a center for the study of Marshallese Culture. It will also provide intellectual resources and facilitate research specific to the needs of the nation. EC approved 4th Nov, 2020. BOR approved 1st December, 2020

The Introduction to Construction course aligns with the College of the Marshall Islands' mission by providing accessible, foundational training in construction that prepares students for academic and technical career pathways. It contributes to national development by equipping students with essential knowledge and skills to support local infrastructure and workforce needs..

**Connection to Department Mission:**

The mission for the Vocational Carpentry program is to provide quality non-credit vocational courses for students to gain employment, pursue post-secondary education and develop an appreciation for life-long learning.

Approved by IEC on October 25,2017

The Introduction to Construction course supports the Vocational Carpentry program's mission by offering quality, entry-level training that prepares students for employment and further study in the construction field. It encourages lifelong learning by building a strong foundation in construction principles, safety, and work readiness.