

Program Outcomes - Construction Management AAS 2021-2022 and 2022-2023

	Learning Outcome	Assessment Measure(s)	Expected Level of Success	Results
#1	Students will be able to identify safety hazards on a construction site and implement standard prevention measures to reduce risk.	<p>1.) Three written Exams in OSHT 1305 – OSHA Regulations - Construction Industry aligned to National Center for Construction Education & Research (NCCER) Core Curriculum modules on:</p> <p>a) Basic Safety, b) Introduction to Basic Rigging, and c) Introduction to Materials Handling.</p> <p>2.) Performance Profiles (i.e. practical assessments) in OSHT 1305 – OSHA Regulations - Construction Industry for National Center for Construction Education & Research (NCCER) Core Curriculum modules:</p> <p>a) Basic Safety, b) Introduction to Basic Rigging, and c) Introduction to Materials Handling.</p> <p>(Includes seven total tasks evaluated to ensure proper safety procedures are executed on construction sites including:</p> <p>a)Basic Safety-Properly set up and climb/descend an extension ladder, demonstrating proper three-point contact; inspect personal protective equipment to determine safety for use; properly don, fit and remove personal protective equipment; inspect a typical power cord and ground-fault circuit interrupter to ensure serviceability. b)Introduction to Basic Rigging-Demonstrate proper ASME emergency-stop hand signal. c)Introduction to Materials-Handling-Demonstrate safe manual lifting techniques; demonstrate hot to tie a subset of four common knots.)</p> <p>3.) Completing OSHA 30-Hour Construction Safety Certification</p>	<p>1.) 80% of students will pass Written exams and for NCCER Core curriculum modules on: Basic Safety, Intro. to Basic Rigging, and Intro. To Materials Handling.</p> <p>2.) 80% of students will pass performance profiles for NCCER Core Curriculum modules on: Basic Safety, Intro. to Basic Rigging, and Intro. to Materials Handling.</p> <p>3.) 80% of students will earn OSHA 30-Hour Construction Safety Certification upon completion of OSHT 1305</p>	<p>1.) 81.88% of students passed the Written exams for NCCER Core Curriculum modules in OSHT 1305.</p> <p>2.) 93.48% of students passed performance profiles for NCCER Core Curriculum Modules in OSHT 1305.</p> <p>3.) 89.19% of students completed OSHA 30 hour Construction Safety Certification</p>
#2	Students will be able to apply, assess, and demonstrate management and communication skills required to complete construction project.	Comprehensive final Exam in CNBT 2342-Construction Management on the topics of oral and written communication with multiple audiences, leadership and motivation, problem solving, and decision making as applied to the construction industry.	80% of the students will score a 70% or higher on the comprehensive final exam in CNBT 2342.	82.61% of students scored 70% or higher on the comprehensive final exam in CNBT 2342.
#3	Students will be able to demonstrate entry level competence in planning, analyzing, decision-making and problem-solving in construction to appropriately estimate costs and to successfully apply conventional scheduling skills to a construction project.	<p>1.) Project to develop a thorough budget for the annual Construction Management Competition problem released by the National Association of Home Builders (NAHB) in CNBT 1346-Construction Estimating</p> <p>2.) Project to develop a thorough construction schedule for the annual Construction Management Competition problem released by the National Association of Home Builders (NAHB) in CNBT 1359-Project Scheduling</p>	<p>1.)80% of the students will score a 70% or higher on the Construction Management Budgeting project in CNBT 1346.</p> <p>2.)80% of the students will score a 70% or higher on the Construction Management Scheduling project in CNBT 1359.</p>	<p>1.) 86.21% of students scored 70% or higher on the Construction management Budgeting project in CNBT 1346.</p> <p>2.) 85.71% of students scored 70% or higher on the Construction Management Scheduling project in CNBT 1359.</p>

<p>#4</p>	<p>Students will be able to identify construction materials, describe the uses of those materials, and demonstrate the appropriate manner of assembly.</p>	<p>1.)Project to evaluate student's ability to assemble materials utilizing proper fastening systems and safe installation procedures in CNBT 1311-Materials and Methods I</p> <p>2.)Final Exam that will test students ability to identify materials and appropriate use of those materials in CNBT 2304-Materials and Methods II</p>	<p>1.)80% of the students will score a 70% or higher on the Materials assembly project in CNBT 1311.</p> <p>2.)80% of the students will score a 70% or higher on the Final Exam in CNBT 2304.</p>	<p>1.) 92.0% of students scored 70% or higher on the materials Assembly project in CNBT 1311.</p> <p>2.) 87.23% of students scored 70% or higher on the Final exam in CNBT 2304.</p>
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