

Articulation Agreement

2018-2019

University Alaska Fairbanks

Kuskokwim Campus
201 Akiak Drive
Bethel, Alaska 99559

Lower Kuskokwim School District

1004 Ron Edwards Memorial Drive
Bethel, Alaska 99559

Purpose:

In addition to the current Tech Prep Agreement between University of Alaska Fairbanks and Lower Kuskokwim School District, we have agreed to add the following course that is within UAF Construction Trades and Technology (CTT) program:

1. Lower Kuskokwim School District will follow a UAF CTT curriculum in coordination with the administration and faculty of the University of Alaska Fairbanks pertaining to the following courses on the course below.
2. Lower Kuskokwim School District will teach for the attached outcomes.
3. The attached syllabus will follow the learning outcomes of the university-approved course listed.

UAF Course Number	UAF Course Title	Number of UAF Credits	Lower Kuskokwim School District Course Title
CTT F101	Basic Construction Safety	1 Credit	Basic Construction Safety
CTT F102	Introduction to Hand and Power Tools	1 Credit	Introduction to Hand and Power Tools
CTT F103	Introduction to Blueprint Reading	1 Credit	Introduction to Blueprint Reading

1. The attached syllabi will be followed.
2. Lower Kuskokwim School District will provide necessary support for students to be successful in these courses which may include computer support, reference books and academic assistance.
3. Kuskokwim Campus will process the registrations.
4. In order to receive concurrent credit, the student will register for the Tech Prep class during the semester in which the competencies will be completed.

Approvals:

Michael Hirt

Program Head of CTT

University of Alaska Fairbanks

Fairbanks, AK 99775

DocuSigned by:



April 9, 2019

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Signature

Date

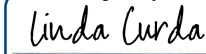
Linda Curda

Acting Director of KuC

University of Alaska Fairbanks

Bethel, AK 99559

DocuSigned by:



April 9, 2019

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Signature

Date

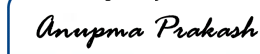
Dr. Anupma Prakash

Provost and Executive Vice Chancellor

University of Alaska Fairbanks

Fairbanks, AK 99775

DocuSigned by:



April 11, 2019

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Signature


Date

Dan Walker

Superintendent

Lower Kuskokwim School District

Bethel, Alaska 99559



4/8/19

Signature

Date

Kevin Illingworth



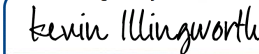


Interim Dean of College of Rural
Community Development

University of Alaska Fairbanks

Fairbanks, Alaska 99775

DocuSigned by:



April 10, 2019

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Signature

Date

CONSTRUCTION TECHNOLOGY CORE COURSE SYLLABUS

Course Title: **Basic Construction Safety**
Course No: CTT F101
NCCER Module No.: 00101- Basic Safety
Credits: 1 (18 contact hours = 12 lecture & 6 lab)
Prerequisites: None
Instructor: James Ryan Ford
Instructor email: jford23@alaska.edu
Instructor Phone Number: (907) 223-1287
Location: Bethel, AK
Dates: May 6-9, 2019 M-Th
Times: 8:00am – 12:30 pm

Course Description:

This course introduces basic construction safety using OSHA approved standards by stressing how to follow safe work practices and procedures, the proper inspection of safety equipment before use, and the proper use of safety equipment.

Learning Objectives:

Upon successful completion of the course, the participant will be able to:

1. Identify the responsibilities and personal characteristics of a professional craftsman.
2. Explain the role that safety plays in the construction crafts.
3. Demonstrate the use and care of appropriate personal protective equipment.
4. Describe and demonstrate safe behavior on and around ladders and scaffolds.
5. Describe fire prevention and fire-fighting techniques around a construction site.
6. Explain the importance of the HazCom (Hazard Communication Standard) requirements and MSDSs (Material Safety Data Sheets)
7. Define safe work procedures around electrical hazards.

Performance Objectives:

Under the supervision of the instructor, the trainee should be able to:

1. Inspect personal protective equipment (PPE) to determine if it is safe to use
2. Properly don and remove personal protective equipment

Course Content:

1. The Craft Professional
2. Causes of Accidents on the Construction Site.
3. Company Safety Policies and OSHA Regulations.
4. Construction Site Job Hazards.
5. Working Safely with Job Hazards.
6. Personal Protective Equipment.
7. Aerial Work.
8. Hazard Communication Standards.

9. Fire Safety.
10. Electrical Safety.

Course Evaluations:

Pass/fail _____ Letter Grade X Other _____ (explain)

Grade will be based on the following:

Attendance 20%
Lab/Participation.....30%
Examination40%
Skill Mastery10%

Course Grading Requirements:

A letter grade will be issued for participants who successfully complete the course. Written tests will be given at the end of each module to test the knowledge of the participant.

Letter grade criteria: 91 to 100% = A letter grade
81 to 90% = B letter grade
71 to 80% = C letter grade
60 to 70% = D letter grade
Less than 59% = F letter grade

Facilities Required:

Classroom capable of seating 15 participants with comfortable chair and work tables/desks, overhead projector/LCD projector, wipe boards, TV Monitor and VCR, marking pencils, and standard instructional equipment.

Lab Supplies Required:

Lab equipment will consist of various drawings, hand and power tools, rigging equipment, and miscellaneous building materials.

Textbook & Materials: Required

NCCER Core Curriculum Published by Prentice Hall or equivalent

Module handouts related to topics covered. Provided

Course Schedule by topic:

ONE	Review syllabus & Introduction Module 00101	Read Section 1.0.0 & 2.0.0
TWO	Accidents: Causes & Results	Read Section 3.0.0
THREE	Construction Site Job Hazards	Read Section 4.0.0
FOUR	Working safely with Job Hazards	Read Section 5.0.0
FIVE	Personal Protective Equipment	Read Section 6.0.0
SIX	Lifting	Read Section 7.0.0
SEVEN	Aerial Work	Read Section 8.0.0
EIGHT	Hazard Communication Standard	Read Section 9.0.0

NINE	Fire Safety	Read Section 10.0.0
TEN	Electrical Safety	
ELEVEN	Review Module 00101	
TWELVE	Final Exam Module 00101	
THIRTEEN	<i>Competency Testing Module 00101</i>	

Professional Conduct:

The following ground rules apply to all students and are designed to ensure a classroom environment conducive to learning for all students:

- Come to class awake, sober and alert. The use of alcohol, drugs or tobacco products is not allowed in the classroom. Do not attend class with the smell of or under the influence of drugs or alcohol.
- If you come to class impaired by drugs or alcohol you will be asked to leave the class for the first offense, and your behavior will be documented. If a second offense occurs, you will be asked to leave the class immediately and your behavior will be referred to UAF Student Conduct for alleged policy violations. Additionally, you may be restricted from returning to class on an interim basis pending the outcome of the student conduct process. Students found responsible for policy violations may be removed from the course.

Students who engage in disruptive classroom behavior will be asked to leave the classroom for the first offense, and the behavior will be documented. If the disruptive behavior continues, it will be reported to UAF Student Conduct.

- Disruptive behavior includes, but is not limited to, arriving late to class without explanation; leaving class early without explanation; sleeping in class; use of cell phone during instruction except for emergency purposes; being under the influence of drugs or alcohol; harassment, bullying, and verbal or physical threats to another student or to the instructor.

Student Protections and Services Statement:

Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc. to find reasonable accommodations. Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. As required, if I notice or am informed of certain types of misconduct, then I am required to report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site: www.uaf.edu/handbook/.

AA/EO Statement:

UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: Alaska.edu/nondiscrimination

CONSTRUCTION TECHNOLOGY CORE COURSE SYLLABUS

Course Title: **Introduction to Hand and Power Tools**
Course No: CTT F 102
NCCER Module/s No.: 00103- Introduction to Hand Tools
00104- Introduction to Power Tools
Credits: 1 (20 contact hours) 7 lecture & 13 lab
Prerequisites: CTT F 101 or instructor approval
Instructor: James Ryan Ford
Instructor email: jford23@alaska.edu
Instructor Phone number: (907)223-1287
Location: Bethel, AK
Dates: May 6-10, 2019 M-F
Times: M- w 1:pm – 6pm, Th 1:pm -5:pm, Fri 8:am – 9:am

Course Description:

This course introduces basic hand and power tools used in construction and maintenance and stress the importance of their care and use. It provides valuable safety information for each type of tool discussed. Understanding proper usage helps trainees to prevent accidents. It, also, introduces some specialty tools used by different crafts.

Learning Objectives:

Upon completion of the course, the participant will be able to:

1. Recognize and identify some of the basic hand tools used on the construction site.
2. Use these tools safely.
3. Describe and demonstrate the proper procedures for taking care of these tools.
4. Identify commonly used power tools of the construction and carpentry trade.
5. Demonstrate correct and safe use of the power tools.
6. Demonstrate proper maintenance of power tools.

Performance Objectives:

Under the supervision of the instructor, the trainee should be able to:

1. Visually inspect commonly used hand tools to determine if they are safe to use
2. Safely and properly use commonly used hand tools
3. Safely and properly operate an electric drill
4. Safely and properly operate a circular saw
5. Safely and properly operate a bench grinder
6. Safely and properly operate a portable belt sander
7. Safely and properly operate a pneumatically powered nailer (nail gun)

Course Content:

1. Hammers.
2. Screwdrivers.
3. Sledgehammers.
4. Ripping Bars and Nail Pullers.

5. Wrenches.
6. Pliers and Wire Cutters.
7. Levels, Squares, and Measuring Devices.
8. Vises and Clamps.
9. Files, Rasps, Chisels, and Punches.
10. Chain Falls, Come-alongs, Hoisting Devices.
11. Power Drills, Hand and Power Saws.
12. Grinders, Sanders, and Air Nailers.
13. Miscellaneous Power Tools.

Course Evaluation:

Pass/fail _____ Letter Grade X Other _____ (explain)

Grade will be based on the following:

Attendance 20%
 Lab/Participation.....30%
 Examination40%
 Skill Mastery10%

Course Grading Requirements:

A letter grade will be issued for participants who successfully complete the course. Written tests will be given at the end of each section to test the knowledge of the participant.

Letter grade criteria: 91 to 100% = A letter grade
 81 to 90% = B letter grade
 71 to 80% = C letter grade
 60 to 70% = D letter grade
 Less than 59% = F letter grade

Facilities Required:

Classroom capable of seating 15 participants with comfortable chairs and work tables/desks, overhead projector/LCD projector, wipe boards, TV Monitor and VCR, marking pencils, and standard instructional equipment.

Lab Supplies Required:

Lab equipment will consist of various drawings, hand and power tools, rigging equipment, and miscellaneous building materials.

Textbook & Materials Required

NCCER Core Curriculum Published by Prentice Hall or equivalent
 Course handout related to topics covered provided.

Course Schedule by Topic

ONE	Review syllabus & Introduction Module 00103	Read Section 2.0.0 Pg. 3-1
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TWO	Hammers	Read Section 3.0.0
THREE	Screwdrivers	Read Section 4.0.0
FOUR	Sledgehammers	Read Section 5.0.0
FIVE	Ripping Bars & Nail Pullers	Read Section 6.0.0
SIX	Wrenches	Read Section 7.0.0
SEVEN	Pliers & Wire Cutters	Read Section 8.0.0
EIGHT	Levels	Read Section 9.0.0
NINE	Squares	Read Section 10.0.0
TEN	Rulers & Other Measuring Tools	Read Section 11.0.0
ELEVEN	Bench Vises	Read Section 12.0.0
TWELVE	Clamps	Read Section 13.0.0
THIRTEEN	Saws	Read Section 14.0.0
FOURTEEN	Files & Rasps	Read Section 15.0.0
FIFTEEN	Chisels & Punches	Read Section 16.0.0
SIXTEEN	Plumb Bobs	Read Section 17.0.0
SEVENTEEN	Sockets & Ratchets	Read Section 18.0.0
EIGHTEEN	Torque Wrenches	Read Section 19.0.0
NINETEEN	Wedges	Read Section 20.0.0
TWENTY	Chalk Lines	Read Section 21.0.0
TWENTY-ONE	Utility Knives	Read Section 22.0.0
TWENTY-TWO	Chain Falls & Come-alongs	Read Section 23.0.0
TWENTY-THREE	Wire Brushes	Read Section 24.0.0
TWENTY-FOUR	Shovels	Review Module 00103
TWENTY-FIVE	Final Exam Module 00103	
TWENTY-SIX	Introduction Module 00104	Read Section 1.0.0
TWENTY-SEVEN	Power Drills	Read Section 3.0.0
TWENTY-EIGHT	Saws	Read Section 4.0.0
TWENTY-NINE	Grinders & Sanders	Read Section 5.0.0
THIRTY	Miscellaneous Power Tools	Review Module 00104
THIRTY-ONE	Final Exam Module 00104	
THIRTY-TWO	<i>Competency Testing Module 00103 & 00104</i>	

Course Policies:

Students are expected to arrive ready to participate actively in discussion of drywall applications and activities. Attendance is a critical component of this course and students must be on time and prepared for the course material.

Support Services:

The instructor is available upon appointment for additional assistance outside normal session/class hours

Professional Conduct:

The following ground rules apply to all students and are designed to ensure a classroom environment conducive to learning for all students:

- Come to class awake, sober and alert. The use of alcohol, drugs or tobacco products is not allowed in the classroom. Do not attend class with the smell of or under the influence of drugs or alcohol.
- If you come to class impaired by drugs or alcohol you will be asked to leave the class for the first offense, and your behavior will be documented. If a second offense occurs, you will be asked to leave the class immediately and your behavior will be referred to UAF Student Conduct for alleged policy violations. Additionally, you may be restricted from returning to class on an interim basis pending the outcome of the student conduct process. Students found responsible for policy violations may be removed from the course.

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Student Protections and Services Statement:

Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc. to find reasonable accommodations. Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. As required, if I notice or am informed of certain types of misconduct, then I am required to report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site: www.uaf.edu/handbook/.

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CONSTRUCTION TECHNOLOGY CORE
COURSE SYLLABUS

Course Title: **Introduction to Blueprint Reading**

Course No: CTT F103

NCCER Module No.: 00105- Introduction to Blueprint Reading

Credits: 1 (15 contact hours) 14 lecture & 1 lab

Prerequisites: CTT F102 or instructor approval

Instructor: James Ryan Ford

Instructor email: jford23@alaska.edu

Instructor phone number: (907)223-1287

Location: Bethel AK,

Dates: May 9-11, 2019 Thur- Sat

Times: Thur; 5pm- 6pm: Fri 9am – 12:30pm & 1pm – 5:30pm; Sat: 8:am – 12:30 pm & 1pm – 3:30pm

Course Description:

This course introduces basic blueprint terms, components, and symbols. It presents different types of construction drawings commonly used on job sites and describes why each type of drawing is important. This course covers standardized information contained on blueprints such as identification, revision status, symbols, project titles, dimension, and scale.

Learning Objectives:

Upon completion of the module, the participant will be able to:

1. Recognize and identify basic blueprint terms, components, and symbols.
2. Relate information on blueprints to actual locations on the print.
3. Recognize different classifications of drawings.
4. Interpret and use drawing dimensions.

Performance Objectives:

Under the supervision of the instructor, the trainee should be able to:

1. Extract requested information from a set of construction drawings

Course Content:

2. Introduction to Blueprints.
3. Components of the Blueprint.
4. Scale Drawings.
5. Lines of Construction.
6. Abbreviations, Symbols, and Keynotes.
7. Using Gridlines to Identify Locations.
8. Levels, Squares, and Measuring Devices.
9. Dimensions.
10. Layout of Common Structure

Course Evaluations:

Pass/fail _____ Letter Grade X Other _____ (explain)

Grade will be based on the following:

Attendance 20%

Lab/Participation.....30%

Examination40%

Skill Mastery10%

Course Grading Requirements:

A letter grade will be issued for participants who successfully complete the course. Written tests will be given at the end of each section to test the knowledge of the participant.

Letter grade criteria: 91 to 100% = A letter grade

81 to 90% = B letter grade

71 to 80% = C letter grade

60 to 70% = D letter grade

Less than 59% = F letter grade

Facilities Required:

Classroom capable of seating 15 participants with comfortable chairs and work tables/desks, overhead projector/LCD projector, wipe boards, TV Monitor and VCR, marking pencils, and standard instructional equipment.

Lab Supplies Required:

Lab equipment will consist of various drawings, hand and power tools, rigging equipment, and miscellaneous building materials.

Textbook & Materials

NCCER Core Curriculum Published by Prentice Hall or equivalent

Course handout related to topics covered

Topic Schedule:

ONE	Review syllabus & Introduction Module 00105	Read Section 1.0.0
TWO	Introduction	Read Section 2.0.0
THREE	Components of the Blueprint	Read Section 3.0.0
FOUR	Scale	Read Section 4.0.0
FIVE	Lines of Construction	Read Section 5.0.0
SIX	Abbreviations, Symbols, & Keynotes	Read Section 6.0.0

SEVEN	Using Gridlines to Identify Plan Locations	Read Section 7.0.0
EIGHT	Dimensions	Review Module 00105
NINE	Final Exam Module 00105	
TEN	<i>Competency Testing Module 00105</i>	

Course Policies:

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Support Services:

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