Articulation Agreement
2017-2018

University Alaska Fairbanks
Interior Alaska Campus
4180 Geist Road
Fairbanks, Alaska 99709

Galena City School District
PO Box 299
Galena, Alaska 99741

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

1. Galena City 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. Galena City School District will teach for the attached outcomes.
3. The attached syllabus will follow the learning outcomes of the university-approved course listed.

<table>
<thead>
<tr>
<th>UAF Course Number</th>
<th>UAF Course Title</th>
<th>Number of UAF Credits</th>
<th>Galena City School District Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTT 100</td>
<td>CORE</td>
<td>3 credits</td>
<td>CORE</td>
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</tbody>
</table>

1. The attached syllabus will be followed.
2. Galena City School District will provide necessary support for students to be successful in this course which may include computer support, reference books and academic assistance.
3. Interior Alaska 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
Construction Trades Technology
Program Head
Interior Alaska Campus
University of Alaska Fairbanks

[Signature] March 26, 2018
[Date]

Bryan Uher
Director
University of Alaska Fairbanks
Interior Alaska Campus
Fairbanks, Alaska

[Signature] March 27, 2018
[Date]

Chris Reitan
Superintendent
Galena City School District
Galena, Alaska

[Signature] May 7, 2018
[Date]
Mary Pete  
Dean-College of Rural and  
Community Development  
P.O. Box 6500  
University of Alaska Fairbanks  
Fairbanks, AK 99775-6500  

DocuSigned by:  
Mary Pete  
647259284D9248B  
April 10, 2018  
Signature     Date  

Susan Henrichs, Provost  
P.O. Box 7580  
University of Alaska Fairbanks  
Fairbanks, AK 99775-7580  
Signature     Date
CTT 100
Syllabus
3 credit semester course
Galena Interior Learning Academy
Instructor: David Wightman

Term: Fall 2017 and Spring 2018
Course Title: CORE
Dept. & Num.: CIT F110
Credits: 3
Prerequisites: none
Dates: Year Long
Days & times: Monday - Friday 1:55-3:15 on A Days
        Monday -Friday 1:55-3:15 on B Days
Location: Galena Interior Learning Academy
Instructor: David Wightman
Position: CTE Instructor
Phone: (907)-656-2053
Email: david.wightman@galenanet.com
Office hours: Monday-Friday 8:00am to 4:00pm

Text: NCCER Core Curriculum Introductory Craft Skills; Glencoe Carpentry and Building Construction;
Handouts supplied by instructor

Course Description: This course is an introduction to carpentry. It includes the major components of
carpentry and OSHA approved standards by stressing how to follow safe work practices and procedures,
how to safely use hand and power tools, how to extract information from construction blueprints and
drawings, good housekeeping habits, and material handling on the construction site.

Skill expectations:
No previous carpentry class is required. The purpose of this course is to give students a solid foundation
of carpentry skills.

Course Goals & Student Learning Outcomes:
- Basic Shop Safety
- Hand tool ID and Safety
- Power Tool ID and Safety
- Power Tool Demonstrations and Cuts
- Construction Materials, Fasteners, and Adhesives
- Blue Print Reading
- Blue Print Construction
- Piling Foundation Systems
- Floor Framing and Construction
- Wall Framing and Construction
- Window Framing and Construction
- Door Framing and Construction
- Ceiling Framing and Construction
- Roof Framing and Construction
- Roof Sheeting and Construction
- Interior Finish and Construction
- Group Shed Construction Final

### Course Calendar

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday through Friday</th>
<th>Safety</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week of 9-4-17</td>
<td>Monday through Friday</td>
<td>Demonstration and Tests</td>
<td>240 minutes - 240 classroom minutes</td>
</tr>
<tr>
<td>Week of 9-11-17</td>
<td>Monday through Friday</td>
<td>Safety Demonstration and Tests</td>
<td>160 minutes - 80 classroom minutes; 80 lab minutes</td>
</tr>
<tr>
<td>Week of 9-18-17</td>
<td>Monday through Friday</td>
<td>Proper tool selection Individual safety for each power tool</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 9-25-17</td>
<td>Monday through Friday</td>
<td>Proper tool selection Tape measure reading to 1/16&quot; Reading different scales on a architectural ruler</td>
<td>160 minutes - 80 classroom minutes; 80 lab minutes</td>
</tr>
<tr>
<td>Week of 10-2-17</td>
<td>Monday through Friday</td>
<td>Tape measure reading to 1/16&quot; Reading different scales on a architectural ruler Determining square footage</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 10-9-17</td>
<td>Monday through Friday</td>
<td>Determining square footage Determining linear feet Determining board feet</td>
<td>160 minutes - 80 classroom minutes; 80 lab minutes</td>
</tr>
<tr>
<td>Week of 10-16-17</td>
<td>Monday through Friday</td>
<td>Determining linear feet Determining board feet Basics of Autocad</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 10-23-17</td>
<td>Monday through Friday</td>
<td>Determining fractions Basics of Autocad</td>
<td>160 minutes - 160 classroom minutes</td>
</tr>
<tr>
<td>Week of 10-30-17</td>
<td>Monday through Friday</td>
<td>Determining fractions Autocad - developing designs for floor plans</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 11-6-17</td>
<td>Monday through Friday</td>
<td>Build floor from Autocad design to given scale</td>
<td>160 minutes - 160 lab minutes</td>
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<tr>
<td>Week of 11-13-17</td>
<td>Monday through Friday</td>
<td>Autocad - developing designs for 4 wall systems Build 4 wall systems to given scale</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 11-20-17</td>
<td>Monday through Friday</td>
<td>Calculating materials list and cost of materials</td>
<td>160 minutes - 160 classroom minutes</td>
</tr>
<tr>
<td>Week of 11-27-17</td>
<td>Monday through Wednesday</td>
<td>Autocad - developing designs for a variety of truss and rafter roof systems</td>
<td>80 minutes - 80 lab minutes</td>
</tr>
<tr>
<td>Week of 12-4-17</td>
<td>Monday through Friday</td>
<td>Autocad - developing designs for a variety of truss and rafter roof systems Demonstrate ability to draw and build roof systems to a given pitch</td>
<td>160 minutes - 80 classroom; 80 lab minutes</td>
</tr>
<tr>
<td>Week of 12-11-17</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to draw and build roof systems to a given pitch Build model roof to a given pitch</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 12-18-17</td>
<td>Monday through Friday</td>
<td>Build model roof to a given pitch</td>
<td>160 minutes - 160 lab minutes</td>
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<tr>
<td>Week of 1-8-18</td>
<td>Monday through Friday</td>
<td>Total time first semester</td>
<td>3200 minutes/53.3 hours</td>
</tr>
<tr>
<td>Week of 1-8-18</td>
<td>Monday through Friday</td>
<td>Autocad - develop plans for a full size shed Build floor plan for shed from Autocad drawings</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
</tbody>
</table>
| Week of 1-15-18 | Monday through Friday | Build floor plan for shed from Autocad drawings  
Level shed floor system  
Autocad - develop plans for 4 wall system for a full size shed | 160 minutes - 80 classroom minutes; 80 lab minutes |
|----------------|-----------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Week of 1-22-18 | Monday through Friday | Demonstrate knowledge of floor insulation techniques  
Demonstrate ability to follow Autocad plans for wall layout | 240 minutes - 80 classroom minutes; 160 lab minutes |
| Week of 1-29-18 | Monday through Friday | Build full size shed wall layout from Autocad drawings | 160 minutes - 80 classroom minutes; 80 lab minutes |
| Week of 2-5-18  | Monday through Friday | Build full size shed wall layout from Autocad drawings  
Autocad - develop plans for full size shed roof system | 240 minutes - 80 classroom minutes; 160 lab minutes |
| Week of 2-12-18 | Monday through Friday | Build full size shed wall layout from Autocad drawings  
Demonstrate ability to follow Autocad plans for full size shed roof system | 160 minutes - 160 lab minutes |
| Week of 2-19-18 | Monday through Friday | Demonstrate ability to follow Autocad plans for full size shed roof system  
Build trusses and rafter for full size shed roof system from Autocad drawings | 240 minutes - 80 classroom minutes; 160 lab minutes |
| Week of 2-26-18 | Monday through Friday | Build trusses and rafter for full size shed roof system from Autocad drawings | 160 minutes - 160 lab minutes |
| Week of 3-5-18  | Monday through Friday | Demonstrate ability to apply roof plywood sheathing  
Demonstrate knowledge of | 240 minutes - 80 classroom minutes; 160 lab minutes |
<table>
<thead>
<tr>
<th>Week of 3-12-18</th>
<th>Monday through Friday</th>
<th>Demonstrate knowledge of different roof finishing systems</th>
<th>160 minutes - 80 classroom; 80 lab minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week of 3-19-18</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to apply rolled roofing, asphalt shingles, or metal roof installation</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 3-26-18</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to apply rolled roofing, asphalt shingles, or metal roof installation</td>
<td>160 minutes - 160 lab minutes</td>
</tr>
<tr>
<td>Week of 4-2-18</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to apply metal trim for gable, eave, and ridge trim</td>
<td>240 minutes - 80 classroom minutes; 160 lab minutes</td>
</tr>
<tr>
<td>Week of 4-9-18</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to apply metal trim for gable, eave, and ridge trim</td>
<td>160 minutes - 80 classroom; 80 lab minutes</td>
</tr>
<tr>
<td>Week of 4-16-18</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to apply interior insulation and vapor barrier</td>
<td>240 minutes - 240 lab minutes</td>
</tr>
<tr>
<td>Week of 4-23-18</td>
<td>Monday through Friday</td>
<td>Demonstrate ability to apply interior finish to wall and ceiling system</td>
<td>160 minutes - 160 lab minutes</td>
</tr>
<tr>
<td>Week of 4-30-18</td>
<td>Monday through Friday</td>
<td>Design and build entrance and folding doors</td>
<td>240 minutes - 240 lab minutes</td>
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</tbody>
</table>
| Week of 5-7-18  | Monday through Friday | Design and build entrance and folding doors  
Apply paint and stain system for final finish | 160 minutes -160 lab minutes |
| Week of 5-14-18 | Monday through Friday | Design and build entrance and folding doors  
Apply paint and stain system for final finish 
Apply final finish trim | 240 minutes - 240 lab minutes |
| **Total time second semester** | | **3680 minutes/61.3 hours** | |
Total time for the year: 6880 minutes/114.67 hours

Instructional methods:
Hands on project-based learning, face-face instruction.

Grading System:
Projects and assignments: 70%
Attendance, participation & professionalism: 30%

Evaluation:
Students will be evaluated by their participation in class, professionalism in their approach to learning, and the quality and completion of their projects and assignments.

Grading Scale:
A=100-90%
B=89-80%
C=79-70%
D=69-60%
F=59-0%

Meeting Time:
Monday - Friday 1:55-3:15 on A Days
Monday - Friday 10:25-11:45 on B Days

Course Policies:
Students will conduct themselves ethically, responsibly, and professionally, respecting the rights of others to learn in a least restrictive environment.
Students are expected to be in class each day.
Students are expected to be on time and prepared each day to begin class.
Students are expected to participate fully in class lectures, discussions, and student demonstrations.
Each student must attempt and demonstrate mastery on all skills required for the class.
Students are expected to submit only work that is their own and to be sure to properly attribute any other material used to the appropriate source.

Support Services:
Galena Interior Learning Academy
PO Box 359 Galena, AK 99741
907-656-2053
www.galenalaska.org

GILA CTE offers the following learning supports:
Before school tutoring and supplementary instruction Monday-Friday 8:00-8:45am.
Career counseling
Disability Services:
The Office of Disability Services implements the Americans with Disabilities Act (ADA) and ensures that GILA students have equal access to the campus and course materials. The instructor will work with the Office of Disabilities to provide reasonable accommodation to students with disabilities.