



**Tech Prep Articulation Agreement
Between
University of Alaska Southeast (UAS)
and
Juneau School District (JSD)**

**Construction Technology
School Year 2015-2016**

Purpose:

In addition to the general Tech Prep Agreement, the purpose of this articulation agreement is to outline the mutual understanding as we have agreed to the following process and criteria with respect to the program of Construction Technology.

Course:

The school district program will follow a curriculum coordinated with the administration and faculty of UAS pertaining to the following course:

Construction - Woodworking II

CT S155 Special methods in wood construction and wood finishing, emphasizing furniture and precision woodcraft. **3 Credits (1+4) Prerequisite: CT S100.**


Although teaching methods may differ, this course will be subject to the instructional objectives and outcomes of the attached UAS syllabus.


Administration:

1. Students must have an overall 2.0 GPA to register for university credit.
2. It is recommended that course work be completed at a level of 3.0 GPA.
3. Students must successfully complete UAS – Woodworking I with a minimum course 2.0 GPA prior to registering for university credit in UAS – CT S155 - Woodworking II.
4. A safety contract, completed and signed by the student and parent will remain on file with the district for students enrolled in UAS – CT S155 -Woodworking II.
5. A written safety test must be passed with 100% accuracy and a demonstration of safe use must be observed by the instructor prior to power tools being operated by the student.
6. UAS program chairs shall review and approve all course syllabi and related curriculum documents to ensure they replicate the UAS course. This includes standardized course syllabi, course objectives, textbooks, tools, equipment, and methods for evaluation.
7. To receive concurrent credit, the student will register for the Tech Prep course at the beginning of the term in which the competencies will be completed. Registration for yearlong courses will take place during the fall semester.
8. The UAS grade posted will be the UAS grade earned for the course and submitted by the district instructor.
9. Student grades will be submitted by 5:00 p.m. of the final day of the district semester at uaonline.alaska.edu.
10. Any change in instructor requires suspension of this addendum.

 5.20.15
 Robin Gilchrist, Program Head Date
 Construction Technology
 University of Alaska Southeast

 5/19/15
 Collin Dukes, Instructor Date
 Construction Technology
 Juneau School District

 5-19-15
 Pete Traxler, Dean Date
 School of Career Education
 University of Alaska Southeast

 5-19-15
 Mark Miller Date
 Superintendent
 Juneau School District

Syllabus
Construction Technology
CT 155
Wood Working

Instructor : Robert Jensen
Email: rejensen2@uas.alaska.edu
Office:
Office hours:
Other times: by appointment

Class room: Technical Education Center, Room 125

Dates of Class: 1/14-5/6, 2015
Wednesdays: 6-10:45PM

Course Description: Designed to give you rudimentary skills and knowledge of working with wood. This is a prerequisite for other courses in Woodworking, Construction Technology and Marine Technology

Required Text: None – supplemental handout will be provided

Student learning outcomes ,:

Students will:

1. Refine abilities to safely operate and maintain hand tools and power tools.
2. Students will be able to demonstrate traits of sound furniture design.
3. Develop a working knowledge of and apply construction techniques in cabinet design, layout, construction and installation.
4. Develop techniques to improve student's craftsmanship in millwork, joinery and finishing applications.
5. Have a viable completed project.
6. Be able to demonstrate and replicate advanced joinery
7. Be proficient in table saw jig building.
8. Be able to choose appropriate finish for project type.

Lectures : Will be given during the first hour of class. The reading assignments should be accomplished PRIOR TO THE LECTURE.

**Construction Technology 155
Wood Working**

Topic and Schedule:

Week	2 hrs Lecture	2hrs Lab Exercise
1	Orientation	
2	Design and Layout	Safety Testing
3	Project selection/Design	Safety Testing
4	Moisture Content	Safety Testing
5	Furniture Design	Project
6	Miter Joints	Project
7	Pocket jigs	Project
8	Turning	Project
9	Finishing	Project
10	Sanding	Project
11	Advanced CNC Machine	Project
12	Cabinet Construction	Project
13	Router table techniques	Project
14	Final	

Student Responsibilities: Students are expected to participate in classroom discussions and in assigned Individual or group learning activities and show competence in subject matters covered.

Lab Activities

- The Lab sessions offer you the opportunity to gain experience on the available tools and machines. This course has one required project designed to give experience and confidence on some of the basic wood working tools and will demonstrate techniques learned in class
- The wood for the required project is not provided.
- Items such as glue, screws and sandpaper will be provided. You are expected to furnish materials for projects. A limited supply of materials is available for tools set up and test pieces.
- Only clean, dry, wood free of nails, staples, screws, rocks, and other ruinous materials will be allowed for use.
- You are required to perform basic operations on all of the tools and machines presented in class. If your projects do not incorporate the use of all machines, a demonstration of proficiency on each machine will be required.

Individual Projects: One Project will be required in class. It will demonstrate your ability to perform accurate measuring, accurate cutting, joinery, sanding, prep and finish techniques, hardware use, and ability perform safety on all necessary hand tools and machines. This Project will be chosen by the student and approved by the instructor prior to start.

Plans: Projects are to be constructed to plans specifications. Plans for projects will include drawings necessary to construct the project, procedures to be followed and a bill of materials to develop a cost structure.

Bring your own: Pencils, tape measurer, safety glasses, textbook and 3 ring binders.

Student responsibilities:

Students are responsible for their own safety.

It is mandatory to ask for instructor assistance if safe tool or machine operational procedures are not fully understood.

Safety glasses must be worn during any machine operation and at all other times eye injury is a possibility. They may be purchased off campus. If you wear eyeglasses, you are required to wear safety glasses that are made to over the top of them.

Students are responsible for damages to tools or equipment resulting from careless action or failure to follow proper shop practices or procedures.

A clean and orderly lab is vital for safe and successful shop operations. Students are responsible for returning tools and materials to their proper places and for cleaning up in all areas that have been worked in.

Normal clean-up time begins 15 minutes before end of class

Students are expected to participate in classroom discussion and in assigned individual or group learning activities

Students are expected to demonstrate competence in correct tool and machine operation, and in shop practices and procedures.

Students are expected to pass safety exams with a 100% grade.

Students are expected to complete a final exam.

Grading: This course is offered through the School of Career Education and will be graded on the standard academic scale based on the following:

Maximum 5 points per Lab – 100 possible points academic (AT):

Final exam: maximum 30 points

Lab check list 40 pts

Accumulative grade:

170-153 Points A

152-136 Points B

135-119 Points C

118-102 Points D

There will be an instructor evaluation during the last two weeks of class.

Drop/ Withdraw The last day to drop this course for 100% refund of tuition and fees is prior to the third class meeting.

Students with Disabilities

UAS is committed to providing accommodations for students who have disabilities in order to equalize their ability to achieve success in academic classes and to ensure physical access to student activities or university-sponsored events. The Disability Support Services (DSS) provides academic accommodation for students in both classroom and testing situations and coordinates registration for students with disabilities. If you experience a disability and would like information about support services, contact Disability Support Services, located in Maurant Building, First Floor at 796-6000 or by e-mail at margie.thomson@uas.alaska.edu. A staff member from Disability Resource Center will specify in a letter the accommodations that will be required for this class.