



**Cerritos College  
 Articulation Agreement**

<p><b>Cerritos College Course: Introduction to Woodworking, WMT 101</b>          Cerritos College          11110 Alondra Blvd.          Norwalk, CA 90650</p>	<p><b>Ontario High School Course: Wood Technology 1 and 2</b>          Ontario High School          901 West Francis St.          Ontario, CA 91762</p>
<p><b>General Course Description:</b>          Wood Technology 1 is an introduction to wood technology and project building to stress the safe use of hand tools, portable tools, and basic production machines. Assembly and finishing techniques are also included. Wood Technology 2 will further develop knowledge and techniques taught in Wood Technology 1. The course will provide an opportunity for personal achievement in the construction of projects, with an emphasis on furniture. The course will enhance the student's ability to work safely with power tools.</p> <p>Hands on training will include completing various projects like a carpenters toolbox, napkin holder, hand tools, etc.</p>	
<p><b>College Prerequisite(s):</b> N/A</p>	<p><b>HS/ROCP Prerequisite(s):</b> N/A</p>
<p><b>Advisories/Recommendations:</b> N/A</p>	
<p><b>Course Content:</b></p> <ol style="list-style-type: none"> <li>1. Safety and care of basic hand woodworking tools, power tools, and machine tools.</li> <li>2. Operation of specific machine tools.</li> <li>3. Career exploration and portfolios.</li> <li>4. Project planning, including project selection, sketching, furniture standards, cost, procedural outline, etc.</li> <li>5. Jointing and planning (jointing face grain, jointing edge grain, cutting tapers, cutting rabbits).</li> <li>6. Learning various techniques on circular, band, jig and sabre saws.</li> <li>7. Drilling machines (drill press, horizontal boring machine, hand/portable drill, dowel jigs).</li> <li>8. Lathe (face plate turning, spindle turning, duplicate turnings, outboard turnings).</li> <li>9. Router/Shaper</li> <li>10. Sanding machines (portable, stroke, spindle, thickness).</li> <li>11. Gluing and camping (face gluing, edge gluing, steam bending, jig bending, inlays, dowel and biscuit edge joints).</li> <li>12. Abrasive and finishes.</li> </ol>	
<p><b>Competencies and Skill Requirements. At the conclusion of this course, the student should be able to:</b></p> <ol style="list-style-type: none"> <li>1. Safely use the hand and power tools of the woodshop.</li> <li>2. Apply techniques of product design, material selection and proper construction to a required project.</li> <li>3. Be able to write the 7 steps to square wood both by hand and machine.</li> <li>4. Identify 90% of all hand and power tools used in the shop.</li> </ol>	

5. Be able to list the steps used for wood finishing.
6. Identify and select of available woods.
7. Understand and create working drawings, board fee, bill of materials and project procedures.
8. Introduction to various wood joinery used in the furniture industry.

**Measurement Methods:**

- Quizzes
- Participation
- Written assignments
- Lab work
- Final exam

**Textbooks or Other Support Materials:**

- "The Basic Book of Drafting" by Wallach, Paul I.
- "Modern Woodworking" by Wagner, Willis H.
- "Modern Carpenter" by Wagner, Willis H.
- "Woodworking" by Wagner, Willis H.
- Popular Woodworking, WOOD, Woodsmith and Fine Woodworking Magazines

**Procedures for Course Articulation:**

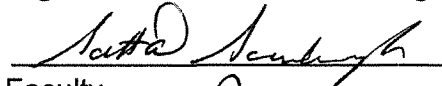

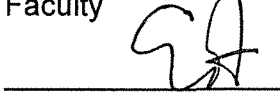

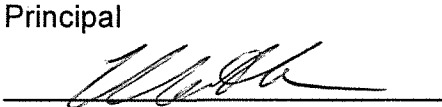
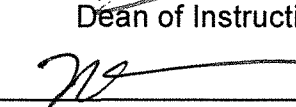
Cerritos College credit for the articulated courses listed above may be received when the following criteria is met:

1. The student has completed the articulated course listed above with a "B" grade or higher in Wood Technology 1 and 2.
2. The student takes the credit by exam given by Cerritos College's Woodworking Department and passes the exam.
3. The student must enroll at Cerritos College within two (2) years from the semester date in which the course was completed.
4. The student will present verification of successful completion of the articulated courses by presenting a *Cerritos College Articulation Form* to a Cerritos College Counselor. The *Cerritos College Articulation Form* should be completed and signed by the student's high school counselor or teacher.
5. No more than 12 units of credit may be accepted for credit by examination.

This Agreement will be reviewed annually and will remain in effect until cancelled by either party giving 30 days written notice.

**High School/ROP District Signatures**

**Cerritos College Signatures**

	11-15-2016		11-28-16
Faculty	Date	Instructor/Division Chair	Date
	11/15/16		11/29/16
Principal	Date	Dean of Instruction	Date
	11/15/16		12/2/16
Superintendent	Date	Vice President	Date