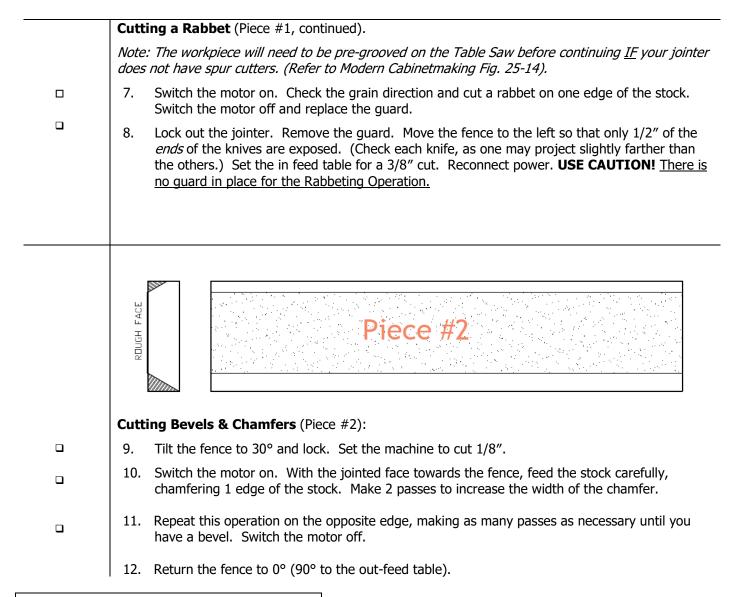
Exercise 3.1

USING A JOINTER

Completed	Procedure					
	Face/Edge Jointing (Pieces 1 & 2) Material: 4/4 rough x 4" +/- x 15" +/-					
	1. Review the Jointer Safety Rules. <i>Madison College students: use the Ironwood jointer for this exercise.</i>					
	Obtain the following rough sawn stock: 2 pieces of 4/4x4"x15"(Since this stock is rough sawn, dimensions are approximate)					
	Make sure the fence is square with the out-feed table. Set the jointer for a $1/32'' - 1/16''$ cut.					
	4. Switch the motor on. Joint <u>one face</u> on each board flat and smooth, in the right direction as indicated by the grain. Mark this face. More than one pass may be required. NOTE: If the piece is twisted, be sure to follow the method shown by the instructor to remove the twist.					
	5. Hold the jointed side against the fence and joint one long edge square with that surface. Very little downward pressure is needed, but the stock <u>must</u> be held tightly to the <i>fence</i> . Check your work with your square. Switch the motor off. Take the pieces to the table saw and rip them to 3-17/32". Return to the jointer and clean up to saw marks by removing 1/32" of material on each edge.					
	Cutting a Taper (Piece #1).					
	6. Move the guard back to expose a maximum of about 1" of the knives. Orient your stock so the jointed face is towards the fence. Mark the stock 12" from the trailing end. With the machine locked out, rotate the cuter to align your mark where the cutter enters the stock. Clamp a stop block at the trailing end of your stock to prevent kickback. With the depth of cut set to 3/8" and the jointer running, lower the stock into the head with your pencil mark lining up with the leading edge of the out feed table. Hold on to the stock securely, as there is a tendency for it to want to kick back. Push the stock through to create the taper.					



Scoring Guide	e: v = Criteria O = Criteria				
Piece #1:			Piec	e #2:	
Face to edge squareness	Accuracy of taper (3/8")	Accuracy of Rabbet (1/2 x 3/8)	Angle of Chamfer +/5 deg	Angle of Bevel +/5 deg	*Dimensional Accuracy +/- 1/32"
Quality	Quality	Quality	Quality	Quality	Quality = minimal tearout or burning

Total: ____/10 (min score 8/10)

Comments: