



## Wood 482 Class Schedule - 2016 - 2017 Term2

	Date	Lab	Topic
Week 1	Tues 03-Jan	Lab	No Lab
	Wed 04-Jan		Lec # 1 - Introduction, Course Outline
	Thurs 05-Jan	Lab	No Lab
	Fri 06-Jan		Lec # 2 - History of CNC Machinery and Software
Week 2	Mon 09-Jan		Lec # 3 - Machine Diversity
	Tues 10-Jan	Lab #1	Hundegger Demo & Cambium Exercise & Term Project Introduction & Design
	Wed 11-Jan		Lec # 4 - CAD, CAM, CIM, WOP Software
	Thurs 12-Jan	Lab #1	Hundegger Demo & Cambium Exercise & Term Project Introduction & Design
Week 3	Fri 13-Jan		Lec # 5a - Main Machine Components #1
	Mon 16-Jan		Lec # 5b - Main Machine Components #2
	Tues 17-Jan	Lab#2	Master CAM Part Creation Lab
	Wed 18-Jan		Lec # 6 - Table Styles, Working Holding & Nested-Based Manufacturing
Week 3	Thurs 19-Jan	Lab#2	Master CAM Part Creation Lab
	Fri 20-Jan		Lec # 6 - Table Styles, Working Holding & Nested-Based Manufacturing
Week 4	Mon 23-Jan		Lec # 7 - NC & G-Code Programming
	Tues 24-Jan	Lab #3	Master CAM Toothpath Lab
	Wed 25-Jan		Lec # 8 - Reference Points & Coordinate System (Tuesday Lab Group)
	Thurs 26-Jan	Lab #3	Master CAM Toothpath Lab
Week 4	Fri 27-Jan		Lec # 8 - Reference Points & Coordinate System (Thursday Lab Group)
	Mon 30-Jan		Lec # 9 - Components Inside the Electrical Cabinet
Week 5	Tues 31-Jan	Lab #4	SCM Machine - Router Operation & Xilog Plus
	Wed 01-Feb		Final Project Design Discussion (Tuesday Lab Group)
	Thurs 02-Feb	Lab #4	SCM Machine - Router Operation & Xilog Plus
	Fri 03-Feb		Final Project Design Discussion (Thursday Lab Group)
Week 6	Mon 06-Feb		Lec # 10 - Benefits and Consideration of CNC
	Tues 07-Feb	Lab #5	Master CAM Nesting Toothpath
	Wed 08-Feb		Laser Engraver Operation (Tuesday Lab Group)
	Thurs 09-Feb	Lab #5	Master CAM Nesting Toothpath
Week 6	Fri 10-Feb		Laser Engraver Operation (Thursday Lab Group)
	Mon 13-Feb		Family Day
Week 7	Tues 14-Feb	Lab #6	Present Design drawing and layout
	Wed 15-Feb		Lec #11 - 3D Printer Lecture
	Thurs 16-Feb	Lab #6	Present Design drawing and layout
	Fri 17-Feb		Lec # 12 - 3D Machining Process and Part Machining, Scanning
Week 8	Mon 20-Feb		Reading Break
	Tues 21-Feb		
	Wed 22-Feb		
	Thurs 23-Feb		
	Fri 24-Feb		
Week 9	Mon 27-Feb		Lec # 13a - CNC Tooling
	Tues 28-Feb	Lab #7	Auto CAD - Draw Project & MasterCAM Programming
	Wed 01-Mar		Lec # 13b - CNC Tooling - Router bit consideration
	Thurs 02-Mar	Lab #7	Auto CAD - Draw Project & MasterCAM Programming
Week 9	Fri 03-Mar	Jeff	Planit Demo
	Mon 06-Mar	Aimer	Mastercam Presentation
Week 10	Tues 07-Mar	Lab #8	Homag CNC Router Operation / 3D scanner Demo
	Wed 08-Mar		Video, Review Midterm Exam
	Thurs 09-Mar	Lab #8	Homag CNC Router Operation / 3D scanner Demo
	Fri 10-Mar		Mid Term Exam
Week 11	Mon 13-Mar		Lec # 13c - CNC Tooling - Tool Clamping & Aggregates
	Tues 14-Mar	Lab #9	Auto CAD - Draw Project & MasterCAM Programming
	Wed 15-Mar		Laser Engraver - Group #1 (15:00 to 15:45) & #2 (15:45 to 16:30)
	Thurs 16-Mar	Lab #9	Auto CAD - Draw Project & MasterCAM Programming
Week 11	Fri 17-Mar		Laser Engraver - Group #3 (15:00 to 15:45) & #4 (15:45 to 16:30)
	Mon 20-Mar		Lec #14 - CNC Machinery for Prefab. Home and Building Construction
Week 12	Tues 21-Mar	Lab #10	CNC Cutting Group #1 (10:00 to 12:00) & #2 (12:00 to 14:00)
	Wed 22-Mar		Laser Engraver - Group #5 (15:00 to 15:45) & #6 (15:45 to 16:30)
	Thurs 23-Mar	Lab #10	CNC Cutting Group #3 (10:00 to 12:00) & #4 (12:00 to 14:00)
	Fri 24-Mar		Laser Engraver - Group #7 (15:00 to 15:45) & #8 (15:45 to 16:30)
Week 13	Mon 27-Mar		Lec # 15 - Robotics
	Tues 28-Mar	Lab #11	CNC Cutting Group #5 (10:00 to 12:00) & #6 (12:00 to 14:00)
	Wed 29-Mar		Laser Engraver - Group #9 (15:00 to 15:45) & #10 (15:45 to 16:30)
	Thurs 30-Mar	Lab #11	CNC Cutting Group #7 (10:00 to 12:00) & #8 (12:00 to 14:00)
	Fri 31-Mar		Laser Engraver - Group #11 (15:00 to 15:45) & #12 (15:45 to 16:30)
Week 14	Mon 03-Apr		Lec #16 - Cost Justification in CNC Technology
	Tues 04-Apr	Lab #12	CNC Cutting Group #9 (10:00 to 12:00) & #10 (12:00 to 14:00)
	Wed 05-Apr		Review - Exam Preparation
	Thurs 06-Apr	Lab #12	CNC Cutting Group #11 (10:00 to 12:00) & #12 (12:00 to 14:00)
	Fri 07-Apr		Showcasing Final Projects