

Code	Competency	SE Chapter(s)	SE Page Number(s)
NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
	LEADERSHIP DEVELOPMENT		
NC F101.	Demonstrate basic business meeting skills and goal setting.		
NC F101.01	Demonstrate basic business meeting skills.	Teacher Resource Guide: Career Opportunities	
NC F101.02	Establish personal and organizational goals.	1, Teacher Resource Guide: Career Opportunities, Online Learning Center: Competitive Events Prep	70
	ORIENTATION		
NC F102.	Identify terms, skill requirements and employment opportunities.	1	71-72, 73, 74
NC F102.01	Describe work performed in the trade, recognizing basic skills and physical requirements.	1	71-72, 73, 74
NC F102.02	Describe materials, processes, and categories of products produced.	Entire Text	
NC F102.03	Identify student requirements for successful participation in the cabinetmaking program.	1	71
	PERSONAL AND JOB SAFETY		
NC F103.	Define, discuss and interpret basic safety associated in a school shop and workplace after review of the prerequisite safety courses.	2	75-76, 76-80, 81-83, 83-84, 86

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F103.01	Recognize terms associated with work safety.	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 38, 39, 40	75-84, 86, 110, 113, 115, 118, 127, 139, 144, 147, 148, 151, 152, 159, 168, 170, 171, 179, 187, 191, 207, 208, 212, 219, 236, 238, 248, 249, 258, 264, 265, 266, 274, 275, 276, 281, 289, 292, 293, 297, 299, 303, 313, 321, 335, 337, 343, 350, 352, 361, 372, 373, 375, 383, 393, 403, 404, 410, 411, 415, 418, 422, 445, 492, 496, 497, 502
NC F103.02	Identify common hazards in the workplace.	2	76-80, 83, 496
NC F103.03	Identify safety gear, protective garments, and safety equipment.	Woodworker's Handbook, 2, 4, 5, 6, 7, 9, 14, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 35, 40	61-63, 81-83, 86, 113, 118, 127, 139, 144, 147, 151, 152, 171, 212, 219, 236, 237, 248, 249, 264, 265, 266, 274, 281, 285, 289, 297, 299, 313, 318, 320, 337, 343, 350, 372, 383, 404, 410, 415, 418, 422, 445, 496

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F103.04	Identify personal and general safety rules.	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 38, 39, 40	75-84, 86, 110, 113, 115, 118, 127, 139, 144, 147, 148, 151, 152, 159, 168, 170, 171, 179, 187, 191, 207, 208, 212, 219, 236, 238, 248, 249, 258, 264, 265, 266, 274, 275, 276, 281, 289, 292, 293, 297, 299, 303, 313, 321, 335, 337, 343, 350, 352, 361, 372, 373, 375, 383, 393, 403, 404, 410, 411, 415, 418, 422, 445, 492, 496, 497, 502
NC F103.05	Explain OSHA MSDS sheets.	2	80, 86
NC F103.06	Recognize right to know regulations.	2, 34	80, 434
NC F103.07	Discuss safety requirements before using hand or power tools.	11, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Safety First features	191, 289, 297, 299, 302, 303, 304, 305, 313, 316, 317, 320, 321, 337, 343, 350, 352, 361, 372, 373, 375, 383, 393
NC F103.08	Describe a safety checklist.		
NC F103.09	Discuss safety requirements for applying finish.	Woodworker's Handbook, 32, 33	63, 410, 411, 415, 418, 422
	MEASUREMENT AND LAYOUT TOOLS		
NC F104.	Demonstrate the various units of measurement and layout tools used in the trade.	Woodworker's Handbook, 4, Woodworking Projects	16-19, 106-108, 109-110, 546-609
NC F104.01	Identify basic units of the standard (US) measurement system.	4	104-105, 123

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F104.02	Perform basic mathematical calculations.	3, 4, 11, 12, 15, 20, 22, 24, 25, 27, 28, 30, 34, 35, 36, 38, 39, Woodworking Projects, Mathematics Connection features	95, 102, 109, 190, 197, 230, 280, 298, 322, 333, 353, 361, 389, 433, 442, 455, 470, 487, 546-609
NC F104.03	Identify measurement and layout tools.	Woodworker's Handbook, 4	16-19, 106-108, 109-110
NC F104.04	Use selected measurement and layout tools.	4, Woodworking Projects	106-108, 109-110, 546-609
	FURNITURE AND CABINETMAKING MATERIALS		
NC F105.	Describe the basic types of materials.	Woodworker's Handbook, 1	49, 50-51, 52-53, 56-57, 67-69, 74
NC F105.01	Recognize characteristics of softwoods and hardwoods.	Woodworker's Handbook, 1	49, 50-51, 52-53, 68, 69, 74
NC F105.02	Recognize the physical characteristics of plywood products.	Woodworker's Handbook, 1	56-58, 67, 69
NC F105.03	Identify characteristics of solid and panel stock.	Woodworker's Handbook, 1	48, 49, 50-51, 67-69
	HAND TOOLS		
NC F106.	Identify basic hand tools.	Woodworker's Handbook, 4, 5, 6, 7, 16	16-22, 26-33, 38-39, 112-118, 124-125, 106-110, 129, 131, 133-134, 143-149, 240-242
NC F106.01	Identify sawing tools.	Woodworker's Handbook, 4	32, 113-118, 123
NC F106.02	Identify shaving and scraping tools.	Woodworker's Handbook, 7	38-39, 143-147, 155
NC F106.03	Identify selected fastening and assembly tools.	Woodworker's Handbook, 5, 6	20, 26, 128-129, 131, 133-134
	POWER TOOLS		

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F107.	Demonstrate the safe and proper use of power tools.	4, 5, 6, 7, 9, 10, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 Woodworking Projects	118-122, 123, 130, 134-140, 141, 152-154, 155, 171, 182, 278-284, 285, 286-293, 294, 295-309, 310, 311-317, 318, 319-329, 330, 331-338, 339, 340-347, 348, 349-357, 358, 359-369, 370, 371-377, 378, 379-393, 394, 546-609
NC F107.01	Operate the router safely.	9, 28	171, 361, 363-368, 370
NC F107.02	Operate the sabre/jig saw safely.	4, 26	118, 123, 342-347
NC F107.03	Operate the power drill safely.	6	134-138, 139
NC F107.04	Operate the power sanders safely.	7, 29	152-154, 155, 371-372, 378
NC F107.05	Operate the plate/biscuit jointer safely.	8, 21	159-160, 286-293, 294
NC F107.06	Use the table saw for basic operations.	22	296-309, 310
NC F107.07	Use the radial arm saw for basic operations.	23	312-317, 318
NC F107.08	Use the bandsaw for basic operations.	24	321, 322-329, 330
NC F107.09	Use the drill press for basic operations.	27	350, 353-357, 358
NC F107.10	Identify the jointer.	21	288-293, 294
NC F107.11	Identify the planer.	20	281, 282-284, 285
NC F107.12	Identify the disc sander.	29	372, 374-375, 378
NC F107.13	Identify the lathe.	30	382-393, 394
NC F107.14	Identify the power miter saw.	25	332-336, 337, 339
NC F107.15	Describe the use of a portable circular saw.	4	118-121, 123
	Course: Furniture and Cabinetmaking II		
	LEADERSHIP DEVELOPMENT	1	71
NC F201.	Demonstrate communication, problem solving, and team building skills.	1	71
NC F201.01	Demonstrate communication skills.	Teacher Resource Guide: Career Opportunities	
NC F201.02	Demonstrate problem solving and team building skills.	1	71

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
	ORIENTATION		
NC F202.	Identify terms, skill requirements and employment opportunities.	1	71-72, 73, 74
NC F202.01	Describe work performed in the trade, recognizing basic skills and physical requirements.	1	71-72, 73, 74
NC F202.02	Describe materials, processes, and categories of products produced.	All chapters	
NC F202.03	Identify student requirements for successful participation in the furniture and cabinetmaking program.	1	71
NC F202.04	Discuss the current and historical significance of the furniture and cabinetmaking trade.	Online Learning Center: Enrichment Activities	
	PERSONAL AND JOB SAFETY		
NC F203.	Define, discuss and interpret basic safety associated in a school shop and workplace after review of the prerequisite safety courses.	2	75-76, 76-80, 81-83, 83-84, 86
NC F203.01	Explain terms associated with work safety.	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 38, 39, 40, Safety First features	75-84, 86, 110, 113, 115, 118, 127, 139, 144, 147, 148, 151, 152, 159, 168, 170, 171, 179, 187, 191, 207, 208, 212, 219, 236, 238, 248, 249, 258, 264, 265, 266, 274, 275, 276, 281, 289, 292, 293, 297, 299, 303, 313, 321, 335, 337, 343, 350, 352, 361, 372, 373, 375, 383, 393, 403, 404, 410, 411, 415, 418, 422, 445, 492, 496, 497, 502
NC F203.02	Discuss common hazards in the workplace.	2, 40	76-80, 83, 496

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F203.03	Demonstrate use of safety gear, protective garments, and safety equipment.	Woodworker's Handbook, 2, 4, 5, 6, 7, 9, 14, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 35, 40, Safety First features	61-63, 81-83, 86, 113, 118, 127, 139, 144, 147, 151, 152, 171, 212, 219, 236, 237, 248, 249, 264, 265, 266, 274, 281, 285, 289, 297, 299, 313, 318, 320, 337, 343, 350, 372, 383, 404, 410, 415, 418, 422, 445, 496
NC F203.04	Discuss personal and general safety rules.	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 38, 39, 40	75-84, 86, 110, 113, 115, 118, 127, 139, 144, 147, 148, 151, 152, 159, 168, 170, 171, 179, 187, 191, 207, 208, 212, 219, 236, 238, 248, 249, 258, 264, 265, 266, 274, 275, 276, 281, 289, 292, 293, 297, 299, 303, 313, 321, 335, 337, 343, 350, 352, 361, 372, 373, 375, 383, 393, 403, 404, 410, 411, 415, 418, 422, 445, 492, 496, 497, 502
NC F203.05	Demonstrate how to properly use fire extinguishers.	2	77

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F203.06	Discuss safety requirements before using hand or power tools.	2, 4, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Safety First features	75-80, 81-83, 83-84, 86, 118, 139, 144, 147, 152, 170, 171, 179, 180, 182, 186, 187, 190, 191, 196, 205, 207, 208, 212, 219, 248, 249, 258, 264, 265, 274, 281, 289, 293, 297, 299, 313, 321, 337, 343, 350, 352, 361, 372, 375, 383, 393
NC F203.07	Explain a safety checklist.		
NC F203.08	Discuss OSHA, MSDS, and right to know regulations.	2	80, 83, 86
	MEASUREMENT AND LAYOUT TOOLS		
NC F204.	Demonstrate the various units of measurement and layout tools used in the trade.	3, 4, 11, 12, 15, 20, 22, 24, 25, 27, 28, 30, 34, 35, 36, 38, 39, Woodworking Projects	95, 102, 109, 190, 197, 230, 280, 298, 322, 333, 353, 361, 389, 433, 442, 455, 470, 487, 546-609
NC F204.01	Apply basic units of measurement including standard.	3, 4, 11, 12, 15, 20, 22, 24, 25, 27, 28, 30, 34, 35, 36, 38, 39, Woodworking Projects	95, 102, 109, 190, 197, 230, 280, 298, 322, 333, 353, 361, 389, 433, 442, 455, 470, 487, 546-609
NC F204.02	Perform basic mathematical calculations.	3, 4, 11, 12, 15, 20, 22, 24, 25, 27, 28, 30, 34, 35, 36, 38, 39, Woodworking Projects, Mathematics Connection features	95, 102, 109, 190, 197, 230, 280, 298, 322, 333, 353, 361, 389, 433, 442, 455, 470, 487, 546-609
NC F204.03	Describe the proper use of measurement and layout tools.	Woodworker's Handbook, 4	16-19, 103-113, 123

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F204.04	Use selected measurement and layout tools.	3, 4, 11, 12, 15, 20, 22, 24, 25, 27, 28, 30, 34, 35, 36, 38, 39, Woodworking Projects	95, 102, 109, 190, 197, 230, 280, 298, 322, 333, 353, 361, 389, 433, 442, 455, 470, 487, 546-609
	CABINETMAKING MATERIALS		
NC F205.	Describe the basic types of materials.	Woodworker's Handbook, 1	49, 50-51, 52-53, 54-55, 56-57, 68, 69, 74
NC F205.01	Discuss characteristics of softwoods and hardwoods.	Woodworker's Handbook, 1	49, 50-51, 52-53, 68, 69, 74
NC F205.02	Explain the physical characteristics of plywood products.	Woodworker's Handbook, 1	56-58, 67, 69
NC F205.03	Describe characteristics of solid and panel stock.	Woodworker's Handbook, 1	48, 49, 50-51, 67-69
NC F205.04	Discuss factors that affect the appearance and stability of wood.	Woodworker's Handbook, 1	48, 52-53, 54-55, 56-57, 68-69
NC F205.05	Recognize lumber and plywood grading and marketing terminology.	Woodworker's Handbook, 1	48, 49, 50-51, 56-57, 68, 74
NC F205.06	Discuss furniture and cabinetmaking materials and laminates.	Woodworker's Handbook, 1, 18	49, 50-51, 52-53, 54-55, 56-57, 68, 69, 74, 262-263, 269
	POWER TOOLS		
NC F206.	Demonstrate the safe and proper use of stationary power equipment.	20, 21, 23, 24, 29, 30	278-284, 285, 286-293, 294, 295-309, 310, 311-317, 318, 319-329, 330, 349-357, 358, 371-377, 378, 379-393, 394
NC F206.01	Operate the following power saws: table saw, radial arm saw, and band saw safely.	22, 23, 24, Safety First features	295-309, 310, 311-317, 318, 319-329, 330
NC F206.02	Operate the following surfacing equipment: planer, jointer and stationary power sander safely.	20, 21, 29	278-284, 285, 286-293, 294, 371-377, 378
NC F206.03	Operate the shaper safely.	30, Safety First features	379-393, 394
NC F206.04	Operate the drill press safely.	27, Safety First features	349-357, 358

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F207.	Demonstrate the safe and proper use of portable power tools.	4, 5, 6, 7, 9, 10, 26, 28, Woodworking Projects	118-122, 123, 130, 134-140, 141, 152-154, 155, 171, 182, 342-347, 363-368, 370, 546-609
NC F207.01	Operate the portable circular saw safely.	4	118-121, 123
NC F207.02	Operate the router safely.	9, 28	171, 361, 363-368, 370
NC F207.03	Operate the saber saw safely.	4, 26	118, 123, 342-347
NC F207.04	Operate the power drill safely.	Woodworker's Handbook, 6	22-23, 134-138, 139
NC F207.05	Operate the power sander safely.	7	152-154, 155
NC F207.06	Operate the plate/biscuit joiner safely.	8	159-160
NC F207.07	Operate the pneumatic nailer safely.	Woodworker's Handbook, 5	21, 129-130
	FASTENERS AND HARDWARE		
NC F208.	Identify basic wood fasteners and hardware.	Woodworker's Handbook, 5, 8, 15, 17, 35	43-45, 46, 126-128, 131, 156-158, 161-165, 224, 227-229, 232-233, 234, 253-260, 261, 444
NC F208.01	Identify nail styles and sizes.	Woodworker's Handbook, 5	43, 59, 126, 127, 131
NC F208.02	Identify basic wood screw styles and sizes.	Woodworker's Handbook, 15	44, 60, 227, 232-233, 234,
NC F208.03	Select appropriate decorative and assembly hardware.	Woodworker's Handbook, 17, Woodworking Project	46, 253-260, 261, 592-595
	ADHESIVES AND GLUING		
NC F209.	Identify basic adhesives, gluing equipment, and clamping fixtures.	14, 16, 18, 19, 25	220, 243-248, 249-250, 251, 266-267, 274, 335
NC F209.01	Demonstrate the properties of basic adhesives used for joining wood.	14, 16, 18, Woodworking Projects	220, 243-248, 249-250, 251, 266-267, 546-551, 570-609

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F209.02	Demonstrate correct use of selected clamping fixtures.	16, 19, 25, Advanced Woodworking Techniques, Woodworking Projects	235, 240-243, 244-250, 251, 274, 335, 509-516, 564, 546-609
	PLANNING AND DESIGN		
NC F210.	Develop a basic project plan.	3	96-98, 99-101, 102
NC F210.01	Develop and interpret basic plan drawings.	3, 34, 35, Advanced Woodworking Techniques, Woodworking Projects	92-95, 96-103, 434-436, 437, 439, 441-444, 524-527, 531-539, 546-609
NC F210.02	Develop a bill of materials.	3, Woodworking Projects	96-98, 99-101, 102, 598-601
NC F210.03	Develop a set of specification sheets.	34	433
NC F210.04	Determine appropriate dimensions, shapes and sizes for project components using trade mathematics.	3, 4, 11, 12, 15, 20, 22, 24, 25, 27, 28, 30, 34, 35, 36, 38, 39, Woodworking Projects, Mathematics Connection features	95, 102, 109, 190, 197, 230, 280, 298, 322, 333, 353, 361, 389, 433, 442, 455, 470, 487, 546-609
	PRE-FINISHING		
NC F211.	Demonstrate the materials and processes required for pre-finishing.	31, Woodworking Projects	396-399, 406, 546-609
NC F211.01	Demonstrate basic techniques for preparing surfaces for finishing.	31, Woodworking Projects	396-399, 406, 546-609
NC F211.02	Identify abrasives.	7, 31	149-150, 155, 399-400
NC F211.03	Demonstrate proper use of abrasives.	7, Woodworking Projects	151, 155, 546-609
	PRODUCT CONSTRUCTION AND ASSEMBLY		
NC F212.	Design and construct a cabinetmaking product.	3, 14, Woodworking Projects	95, 99-101, 102, 223, 546-609
NC F212.01	Design and estimate a project including flow chart procedures.		

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NORTH CAROLINA	Course: Furniture and Cabinetmaking I		
NC F212.02	Identify, select, use appropriate joinery and perform basic assembly techniques.	8, 9, 10, 11, 12, 13, 14, Advanced Woodworking Techniques, Woodworking Projects	156-159, 161-162, 166, 167-168, 172-173, 174, 175-176, 180, 183, 184, 187-189, 192, 193-194, 202-204, 209, 210-211, 534-536, 570-573, 574-577, 578-581, 582-585
NC F212.03	Construct project components.	8, 9, 10, 11, 12, 13, 14, Advanced Woodworking Techniques, Woodworking Projects	156-159, 161-162, 166, 167-168, 172-173, 174, 175-176, 180, 183, 184, 187-189, 192, 193-194, 202-204, 209, 210-211, 534-536, 570-573, 574-577, 578-581, 582-585
NC F212.04	Assemble project components.	8, 9, 10, 11, 12, 13, 14, Advanced Woodworking Techniques, Woodworking Projects	156-159, 161-162, 166, 167-168, 172-173, 174, 175-176, 180, 183, 184, 187-189, 192, 193-194, 202-204, 209, 210-211, 534-536, 570-573, 574-577, 578-581, 582-585
NC F212.05	Identify inlay and banding.	26, 28	345, 346, 348, 368-369
	FINISHING		
NC F213.	Demonstrate the materials and processes required for basic finishing.	32, Woodworking Projects	407-409, 420, 546-609
NC F213.01	Discuss different types of stains.	32	407-408
NC F213.02	Demonstrate proper staining techniques.	32, Woodworking Projects	408-409, 420, 546-609
NC F213.03	Prepare and apply final finish.	31, 32, 33, Woodworking Projects	395-405, 406, 407-419, 420, 421-425, 426, 546-609