

COURSE SLO ASSESSMENT 4-YEAR TIMELINE

Unit Name	Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
El Camino: Course SLOs (IND) - Construction Technology		ECC: CTEC 230	Cabinet Making Lab	SLO #1 Dovetail Joint	Students will setup template guides and fabricate a dovetail joint.
		ECC: CTEC 230	Cabinet Making Lab	SLO #2 Project and Self-Evaluation Presentation	Students will be able to present their projects and self-evaluations to class.
		ECC: CTEC 230	Cabinet Making Lab	SLO #3 Planned Timeline	Students will organize materials and processes to create a planned timeline.
	2013-14 (Fall 2013)	ECC: CTEC 121	Concrete and Formwork	SLO #3 Auto Level	Students will be able to set up an auto level for use in the laboratory.
	2013-14 (Fall 2013)	ECC: CTEC 122	Rough Framing	SLO #1 Rough Framing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2013-14 (Spring 2014)	ECC: CTEC 131	Roof Framing	SLO #1 Roof Framing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Fall 2014)	ECC: CTEC 141	Interior Subcrafts	SLO #1 Interior Subcrafts Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Fall 2014)	ECC: CTEC 142	Exterior Subcrafts	SLO #1 Exterior Subcrafts Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Fall 2014)	ECC: CTEC 150	Contract Estimating	SLO #1 Residential Construction Estimating	Students will be able to demonstrate a basic knowledge of residential construction estimating.
	2014-15 (Fall 2014)	ECC: CTEC 160	Business and Legal Aspects of Contracting	SLO #1 Legal Aspects	Students will be able to demonstrate a basic knowledge of the California Contractor License Law.
	2014-15 (Fall 2014)	ECC: CTEC 172	Residential Electrical Wiring	SLO #1 Electrical Wiring Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Spring 2015)	ECC: CTEC 100	Building Fundamentals	SLO #1 Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Spring 2015)	ECC: CTEC 121	Concrete and Formwork	SLO #1 Concrete and Formwork Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Spring 2015)	ECC: CTEC 122	Rough Framing	SLO #1 Rough Framing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2014-15 (Spring 2015)	ECC: CTEC 180	Residential Plumbing	SLO #1 Plumbing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
2014-15 (Spring 2015)	ECC: CTEC 200	General Cabinet Making	SLO #1 Cross-Cut Plywood	Using the panel saw, student will cross-cut plywood to specified dimensions.	
2014-15 (Spring 2015)	ECC: CTEC 203	Dedicated Use Cabinets	SLO #1 S4S Stock Squaring	Presented with a piece of rough stock, student will utilize correct squaring procedure to produce stock in S4S condition	
2014-15 (Spring 2015)	ECC: CTEC 212	Furniture Making Lab Developing Original Plans	SLO #3 Final Product Critique	Student will critique final product.	

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	2014-15 (Summer 2015)	ECC: CTEC 220	Hinging Systems and Doors	SLO #1 Ecopress Hinge Mortising	Students will set up Ecopress for hinge mortising.
	2014-15 (Summer 2015)	ECC: CTEC 221	Drawer Systems	SLO #1 Blum 230 Drawer Slides	Using manufacturer's installation jig, students will install Blum 230 drawer slides.
	2015-16 (Fall 2015)	ECC: CTEC 110	Additions and Remodeling	SLO #2 Residential Form Ties	Students will be able to correctly install residential form ties.
	2015-16 (Fall 2015)	ECC: CTEC 132	Stair Framing	SLO #1 Stair Framing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2015-16 (Fall 2015)	ECC: CTEC 150	Contract Estimating	SLO #2 Window Estimate	Students will be able to prepare a window estimate from information found on a set of residential blueprints.
	2015-16 (Fall 2015)	ECC: CTEC 172	Residential Electrical Wiring	SLO #2 Duplex Receptacle Wiring	Students will be able to wire a duplex receptacle.
	2015-16 (Fall 2015)	ECC: CTEC 201	Upper Residential Cabinets	SLO #1 Face Frame Doweling	Student will lay out dowel hole boring locations for a face frame.
	2015-16 (Fall 2015)	ECC: CTEC 202	Base-Residential Cabinets	SLO #1 Hardwood Milling	Student will mill hardwood lumber and lay it out for biscuit joints.
	2015-16 (Fall 2015)	ECC: CTEC 213	Furniture Making Lab Building Without Plans	SLO #1 Project Option Thumbnails	Student will create three thumbnail sketches of project options.
	2015-16 (Spring 2016)	ECC: CTEC 100	Building Fundamentals	SLO #2 Header Material	Students will be able to calculate and cut to length of header material.
	2015-16 (Spring 2016)	ECC: CTEC 131	Roof Framing	SLO #2 Roof Slope	Students will be able to calculate roof slope.
	2015-16 (Spring 2016)	ECC: CTEC 131	Roof Framing	SLO #3 Valley Rafter Dimensions	Students will be able to calculate the dimensions of a valley rafter.
	2015-16 (Spring 2016)	ECC: CTEC 180	Residential Plumbing	SLO #2 Watertight Copper Joint	Students will be able to assemble a watertight copper joint.
	2015-16 (Spring 2016)	ECC: CTEC 200	General Cabinet Making	SLO #2 Rip Cut Lumber	Using the table saw, student will rip lumber to predetermined widths.
	2015-16 (Spring 2016)	ECC: CTEC 203	Dedicated Use Cabinets	SLO #2 Radial Arm Saw Cross Cut	Using the radial arm saw, student will cross cut stock to specified lengths.
	2015-16 (Spring 2016)	ECC: CTEC 210	Furniture Making Lab Interpreting Commercial Plans	SLO #1 Bill of Materials	Provided with a set of plans, students will create a bill of materials
	2015-16 (Spring 2016)	ECC: CTEC 210	Furniture Making Lab Interpreting Commercial Plans	SLO #2 Cost of Materials	Referencing a bill of materials, students will calculate cost.
	2015-16 (Summer 2016)	ECC: CTEC 220	Hinging Systems and Doors	SLO #2 Cabinet Door Hinge	Students will mortise and insert hinge in a cabinet door.
	2015-16 (Summer 2016)	ECC: CTEC 221	Drawer Systems	SLO #2 Ecopress Line Boring	Students will set up Ecopress in line boring mode.
	2016-17 (Fall 2016)	ECC: CTEC 110	Additions and Remodeling	SLO #3 Under Floor Ventilation	Students will be able to calculate the correct ratio of ventilation to under floor area.
	2016-17 (Fall 2016)	ECC: CTEC 150	Contract Estimating	SLO #3 Building Estimate	Students will be able to calculate profit for a building estimate

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	2016-17 (Fall 2016)	ECC: CTEC 150	Contract Estimating	Profit	Students will be able to calculate profit for a building estimate
	2016-17 (Fall 2016)	ECC: CTEC 160	Business and Legal Aspects of Contracting	SLO #2 Mechanics Lien	Students will be able create a Mechanics Lien.
	2016-17 (Fall 2016)	ECC: CTEC 172	Residential Electrical Wiring	SLO #3 Hole Boring in Framing Materials	Students will be able to bore holes in framing materials to accommodate non-metallic sheathed cables.
	2016-17 (Fall 2016)	ECC: CTEC 201	Upper Residential Cabinets	SLO #2 Dowel Hole Boring	Using the horizontal boring machine, student will bore dowel holes.
	2016-17 (Fall 2016)	ECC: CTEC 202	Base-Residential Cabinets	SLO #2 Plate Jointer Setup	Student will set up plate jointer for ¾" material thickness.
	2016-17 (Fall 2016)	ECC: CTEC 211	Furniture Making Lab Plan Modification	SLO #1 Seat Back Angle	Students will modify angle of seat back from dining to recline.
	2016-17 (Fall 2016)	ECC: CTEC 211	Furniture Making Lab Plan Modification	SLO #2 Chair Height Conversion	Students will convert chair height from dining to bar height.
	2016-17 (Spring 2017)	ECC: CTEC 122	Rough Framing	SLO #2 Hold-Down Alignment	Students will be able to align a "hold-down" for use in a sheer wall assembly.
	2016-17 (Spring 2017)	ECC: CTEC 122	Rough Framing	SLO #3 Framing Lumber	Students be able to crown and mark framing lumber.
	2016-17 (Spring 2017)	ECC: CTEC 180	Residential Plumbing	SLO #3 Lavatory P-Trap	Students will be able to assemble a P-trap under a lavatory.
	2016-17 (Spring 2017)	ECC: CTEC 200	General Cabinet Making	SLO #3 Edge Glue Lumber	Student will edge-glue lumber to increase overall width.
	2016-17 (Spring 2017)	ECC: CTEC 203	Dedicated Use Cabinets	SLO #3 Cooktop Cutout Calculation	Referencing the manufacturer's specifications, students will calculate cutout for standard cooktop.
	2016-17 (Spring 2017)	ECC: CTEC 212	Furniture Making Lab Developing Original Plans	SLO #1 Plan of Procedure	Working from an original set of plans, student will complete a plan of procedure.
	2016-17 (Spring 2017)	ECC: CTEC 212	Furniture Making Lab Developing Original Plans	SLO #2 Plan Dimensioning	Student will dimension original set of plans.
	2016-17 (Summer 2017)	ECC: CTEC 142	Exterior Subcrafts	SLO #1 Exterior Subcrafts Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2016-17 (Summer 2017)	ECC: CTEC 142	Exterior Subcrafts	SLO #2 Window Opening Flash	Students will be able "flash" a window opening according residential code specifications.
	2016-17 (Summer 2017)	ECC: CTEC 142	Exterior Subcrafts	SLO #3 Mortar Scratch Coat	Students will be able to apply a "scratch coat" of mortar over lath.
	2017-18 (Fall 2017)	ECC: CTEC 100	Building Fundamentals	SLO #3 Rafter Dimensions	Students will be able to calculate the dimensions of common rafters.
	2017-18 (Fall 2017)	ECC: CTEC 110	Additions and Remodeling	SLO #1 Residential Construction Materials	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2017-18 (Fall 2017)	ECC: CTEC 131	Roof Framing	SLO #1 Roof Framing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2017-18 (Fall 2017)	ECC: CTEC 132	Stair Framing	SLO #2 Open Stair Stringers	Students will be able to prepare a set of open stair stringers.
	2017-18 (Fall 2017)	ECC: CTEC 132	Stair Framing	SLO #3 Rise to Run Ratio	Students will be able to calculate the appropriate ratio of "rise to run" for a legal staircase.
	2017-18 (Fall 2017)	ECC: CTEC 172	Residential Electrical Wiring	SLO #1 Electrical Wiring Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.

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	2017-18 (Fall 2017)	ECC: CTEC 201	Upper Residential Cabinets	SLO #3 Diagonal Technique Face Frame	Student will assemble face frame utilizing diagonal comparative technique to square.
	2017-18 (Fall 2017)	ECC: CTEC 202	Base-Residential Cabinets	SLO #3 Biscuit Joint Machining	Using the plate jointer, student will machine for biscuit joints.
	2017-18 (Fall 2017)	ECC: CTEC 213	Furniture Making Lab Building Without Plans	SLO #2 Full Size Drawing from Thumbnail	Student will expand selected thumbnail sketch to full size drawing.
	2017-18 (Fall 2017)	ECC: CTEC 213	Furniture Making Lab Building Without Plans	SLO #3 Coloring Techniques	Student will enhance details of full size drawing using coloring techniques.
	2017-18 (Spring 2018)	ECC: CTEC 180	Residential Plumbing	SLO #3 Lavatory P-Trap	Students will be able to assemble a P-trap under a lavatory.
	2017-18 (Spring 2018)	ECC: CTEC 210	Furniture Making Lab Interpreting Commercial Plans	SLO #3 Construction Hours Estimate	Using selected plans, students will estimate construction hours.
	2017-18 (Summer 2018)	ECC: CTEC 220	Hinging Systems and Doors	SLO #3 Hinge Plate	Students will install ½” overlap hinge plate face frame application.
	2018-19 (Fall 2018)	ECC: CTEC 141	Interior Subcrafts	SLO #1 Interior Subcrafts Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2018-19 (Fall 2018)	ECC: CTEC 141	Interior Subcrafts	SLO #2 Door Swing	Students will be able to correctly identify the “swing” of a door.
	2018-19 (Fall 2018)	ECC: CTEC 141	Interior Subcrafts	SLO #3 Drywall Installation	Students will be able to install drywall in accordance with the International Residential Code guidelines.
	2018-19 (Fall 2018)	ECC: CTEC 211	Furniture Making Lab Plan Modification	SLO #3 Dining Table Length Conversion	Students will modify length of rectangular dining table from four place settings to six.
	2018-19 (Spring 2019)	ECC: CTEC 121	Concrete and Formwork	SLO #2 Volume of Concrete	Students will be able to calculate the volume of concrete in “yards.”
	2018-19 (Spring 2019)	ECC: CTEC 121	Concrete and Formwork	SLO #3 Auto Level	Students will be able to set up an auto level for use in the laboratory.
	2018-19 (Spring 2019)	ECC: CTEC 150	Contract Estimating	SLO #1 Residential Construction Estimating	Students will be able to demonstrate a basic knowledge of residential construction estimating.
	2018-19 (Spring 2019)	ECC: CTEC 150	Contract Estimating	SLO #2 Window Estimate	Students will be able to prepare a window estimate from information found on a set of residential blueprints.
	2018-19 (Spring 2019)	ECC: CTEC 180	Residential Plumbing	SLO #1 Plumbing Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2018-19 (Spring 2019)	ECC: CTEC 200	General Cabinet Making	SLO #1 Cross-Cut Plywood	Using the panel saw, student will cross-cut plywood to specified dimensions.
	2018-19 (Spring 2019)	ECC: CTEC 203	Dedicated Use Cabinets	SLO #1 S4S Stock Squaring	Presented with a piece of rough stock, student will utilize correct squaring procedure to produce stock in S4S condition
	2018-19 (Spring 2019)	ECC: CTEC 212	Furniture Making Lab Developing Original Plans	SLO #3 Final Product Critique	Student will critique final product.
	2018-19 (Spring 2019)	ECC: CTEC 221	Drawer Systems	SLO #3 Blum Soft-Close Drawer Slides	Students will install and adjust Blum motion soft-close drawer slides.
	2018-19 (Summer 2019)	ECC: CTEC 160	Business and Legal Aspects of Contracting	SLO #1 Legal Aspects	Students will be able to demonstrate a basic knowledge of the California Contractor License Law.

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	2018-19 (Summer 2019)	ECC: CTEC 160	Business and Legal Aspects of Contracting	SLO #3 Payroll Deductions	Students will be able to calculate payroll deductions.
	2019-20 (Fall 2019)	ECC: CTEC 100	Building Fundamentals	SLO #1 Materials and Methods	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.
	2019-20 (Fall 2019)	ECC: CTEC 110	Additions and Remodeling	SLO #2 Residential Form Ties	Students will be able to correctly install residential form ties.
	2019-20 (Fall 2019)	ECC: CTEC 131	Roof Framing	SLO #2 Roof Slope	Students will be able to calculate roof slope.
	2019-20 (Fall 2019)	ECC: CTEC 150	Contract Estimating	SLO #3 Building Estimate Profit	Students will be able to calculate profit for a building estimate
	2019-20 (Fall 2019)	ECC: CTEC 172	Residential Electrical Wiring	SLO #2 Duplex Receptacle Wiring	Students will be able to wire a duplex receptacle.
	2019-20 (Fall 2019)	ECC: CTEC 201	Upper Residential Cabinets	SLO #1 Face Frame Doweling	Student will lay out dowel hole boring locations for a face frame.
	2019-20 (Fall 2019)	ECC: CTEC 202	Base-Residential Cabinets	SLO #1 Hardwood Milling	Student will mill hardwood lumber and lay it out for biscuit joints.
	2019-20 (Fall 2019)	ECC: CTEC 213	Furniture Making Lab Building Without Plans	SLO #1 Project Option Thumbnails	Student will create three thumbnail sketches of project options.
	2019-20 (Summer 2020)	ECC: CTEC 220	Hinging Systems and Doors	SLO #1 Ecopress Hinge Mortising	Students will set up Ecopress for hinge mortising.
	2019-20 (Summer 2020)	ECC: CTEC 220	Hinging Systems and Doors	SLO #2 Cabinet Door Hinge	Students will mortise and insert hinge in a cabinet door.
	2019-20 (Summer 2020)	ECC: CTEC 221	Drawer Systems	SLO #1 Blum 230 Drawer Slides	Using manufacturer's installation jig, students will install Blum 230 drawer slides.
	2019-20 (Summer 2020)	ECC: CTEC 221	Drawer Systems	SLO #2 Ecopress Line Boring	Students will set up Ecopress in line boring mode.
	2020-21 (Fall 2020)	ECC: CTEC 110	Additions and Remodeling	SLO #3 Under Floor Ventilation	Students will be able to calculate the correct ratio of ventilation to under floor area.
	2021-22 (Fall 2021)	ECC: CTEC 110	Additions and Remodeling	SLO #1 Residential Construction Materials	Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.