

CTE Course SLOs

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
SLO (CTE - Auto Tech) - Automotive Technology (AUTO)	Advanced Air Conditioning and Heating Systems	AUTO 165	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Independently apply air conditioning and heating operating theory to diagnose heating and air conditioning systems for proper operation.	Active
			3	Independently diagnosis air conditioning and heating systems in need of repair by applying theory of operation principles and prescribed industry standards.	Active
	Advanced Automotive Electrical Systems	AUTO 127	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Using assigned lab sheets, independently test, diagnose and repair automotive electrical systems following industry accepted practices.	Active
	Advanced Brakes	AUTO 135	1	Independently demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Using assigned lab sheets, independently apply brake system theory principles to diagnose brake system and related problems.	Active
			3	Using assigned lab sheets, independently perform various brake repairs to industry standards.	Active
	Advanced Drive Train Systems	AUTO 155	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Using assigned lab sheets, utilize manufacturers' repair data and specifications to accurately test, diagnose and repair manual and automatic transmissions.	Active
			3	Independently test and diagnose manual and automatic	Active

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			3	transmission mechanical and electrical faults following manufacturers' procedures.	Active
	Advanced Engine Overhaul	AUTO 175	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply engine operating theory to diagnosis of engine problems.	Active
			3	Independently perform engine repairs to prescribed industry standards.	Active
			4	Utilize required tools and equipment to diagnose engine noise and mechanical problems.	Active
	Advanced Four Wheel Alignment	AUTO 145	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Using assigned laboratory sheets, apply four wheel alignment and tire balancing theory to test, diagnose, replace, and repair steering and suspension systems and components.	Active
	Air Conditioning and Heating Systems	AUTO 160	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply air conditioning and heating operating theory to diagnose heating and air conditioning systems for proper operation.	Active
			3	Diagnose air conditioning and heating systems in need of repair by applying theory of operation principles and prescribed industry standards.	Active
	ASEP-Brakes and Alignment	AUTO 202	1	Demonstrate standardized safety and hazardous waste handling practices using assigned lab sheets and hands-on testing.	Active
			2	Apply brake system theory principles in order to diagnose and repair brake system and related problems using assigned lab sheets and hands-on testing.	Active

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	ASEP–Electrical	AUTO 201	1	Demonstrate standardized safety and hazardous waste handling practices using assigned lab sheets and hands-on testing.	Active
			2	Apply electrical operating theory to diagnosis and repair of of vehicle electrical problems using assigned lab sheets and hands-on testing.	Active
	ASEP–Engine Performance and Air Conditioning	AUTO 205	1	Demonstrate standardized safety and hazardous waste handling practices using assigned lab sheets and hands-on testing.	Active
			2	Relate theory of engine systems to practical diagnosis and repair of engine performance problems using assigned lab sheets and hands-on testing.	Active
			3	Apply air conditioning and heating operating theory to diagnose and repair heating and air conditioning systems to industry standards for proper operation using assigned lab sheets and hands-on testing.	Active
	ASEP–Engine Repair	AUTO 203	1	Demonstrate standardized safety and hazardous waste handling practices using assigned lab sheets and hands-on testing.	Active
			2	Apply engine operating theory to diagnose and repair of engine related mechanical problems using assigned lab sheets and hands-on testing.	Active
	ASEP–Orientation	AUTO 200	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Describe the work flow processes utilized by new car dealership service departments and the ASEP program requirements using assigned lab sheets and hands-on testing.	Active
	ASEP–Power Train	AUTO 204	1	Demonstrate standardized safety and hazardous waste handling practices using assigned lab sheets and hands-on testing.	Active

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	ASEP–Power Train	AUTO 204	1		Active
			2	Utilize manufacturers’ repair data and specifications for accurate diagnosis and repair of drive train related problems using assigned lab sheets and hands-on testing.	Active
	ASEP–Work Experience	AUTO 206	2	Independently apply technical information and skill sets learned at school to the actual work environment as determined by a supervisor.	Active
	ASSET–Brakes and Alignment	AUTO 191	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply brake system theory principles in order to diagnose brake system and related problems using assigned lab sheets and hands-on testing.	Active
			3	Perform various brake repairs to prescribed industry standards using assigned lab sheets and hands-on testing.	Active
	ASSET–Electrical, Accessories and Air Conditioning	AUTO 196	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply air conditioning and heating operating theory to diagnose and repair heating and air conditioning systems for proper operation using assigned lab sheets and hands-on testing.	Active
	ASSET–Orientation, PDI and Lubrication	AUTO 190	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Describe the work flow processes utilized by new car dealership service departments using assigned lab sheets and hands-on testing.	Active
			3	Prepare new vehicles for customer delivery using assigned lab sheets and hands-on testing.	Active
	ASSET–Work Experience	AUTO 197	1	Independently demonstrate standardized safety and hazardous waste handling practices as determined by a supervisor.	Active

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	ASSET–Work Experience	AUTO 197	1		Active
			2	Independently demonstrate the ability to apply technical information and skill sets to the actual diagnosis and repair of vehicles in the work environment as prescribed by Ford Motor Company, the College, and the Ford dealership personnel.	Active
			3	Demonstrate the ability to document the symptom, to system, to component, to cause process (SSCC)	Active
	Automotive Brakes and Brake License	AUTO 130	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	With instructor guidance and using assigned lab sheets, apply brake system theory principles in order to test and diagnose brake system and related problems.	Active
			3	With instructor guidance and using assigned lab sheets, perform various brake repairs to prescribed industry standards.	Active
	Automotive Electrical Systems	AUTO 122	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	With instructor guidance and using assigned lab sheets, apply electrical operating theory to diagnosis of vehicle electrical problems.	Active
			3	With instructor guidance, read and interpret automotive electrical wiring diagrams to aid in the testing and diagnosis of automotive electrical problems.	Active
	Automotive Service Advisor	AUTO 180	1	Utilize customer relations techniques to improve customer satisfaction.	Active
			2	Correctly fill out simulated warranty repair orders utilizing manufacturers warranty policies as a guide.	Active
			3	Utilize communication skills to effectively deal with disgruntled colleagues in the work place.	Active

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			4	Properly interpret BAR regulations when writing repair orders.	Active
	Automotive Work Experience	AUTO 182	1	Independently demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Independently apply technical information and skill sets learned at school to the actual work environment as determined by a supervisor.	Active
	Drive Train Systems	AUTO 152	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	With instructor guidance and using assigned lab sheets, utilize manufacturers' repair information and technical service bulletins for accurate testing, diagnosis and repair.	Active
			3	With instructor guidance and using assigned lab sheets, test and diagnose manual and automatic transmission mechanical and electrical faults following manufacturers' procedures.	Active
	Emission Control License Fundamentals Level I Inspector Training	AUTO 141	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply emission control system operating theory to the testing of emission system components on various vehicle systems and designs.	Active
			3	Describe and demonstrate knowledge of federal and state laws and regulations relating to the proper inspections of vehicle emissions.	Active
	Emission License Procedures Level II Inspector Training	AUTO 142	1	Describe and demonstrate personal, shop, equipment, vehicle safety practices, and the cause and effect of harmful pollution resulting from improper functioning emission control devices and systems from vehicles.	Active
			2	Demonstrate their knowledge, skills and abilities in performing emission tests and inspections on various vehicle designs and systems.	Active
			3	Describe standards and practice expected of Inspectors applied to federal and state emission laws and regulations.	Active
	Engine Machining	AUTO 176	1	Demonstrate standardized safety and hazardous waste	Active

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	Engine Machining	AUTO 176	1	handling practices.	Active
			2	Choose appropriate engine machining techniques and correctly perform engine component repair to industry standards.	Active
			3	Judge if engine components may be repaired or need to be replaced based on amount of measured wear.	Active
			4	Independently demonstrate mastery in the operation of engine block boring and honing equipment and rod resizing equipment.	Active
	Engine Overhaul	AUTO 170	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply engine operating theory to diagnosis of engine problems.	Active
			3	Perform engine repairs to prescribed industry standards.	Active
			4	Utilize required tools and equipment to diagnose engine noise and mechanical problems.	Active
	Engine Performance I - Mechanical and Ignition Systems	AUTO 120	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply engine operating theory to diagnosis of engine driveability problems.	Active
			3	Perform engine ignition and cam timing repairs to prescribed industry standards.	Active
			4	Utilize required tools and equipment to diagnose engine ignition and mechanical problems.	Active
			5	Perform electrical diagnosis utilizing DVOM, oscilloscope, and principles of electricity.	Active
			6	Utilize scan tool to identify and repair specific ignition problems.	Active

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			6		Active
			7	Utilize manufacturers repair information and technical service bulletins for accurate diagnose and repair.	Active
	Engine Performance II - Fuel Systems	AUTO 123	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Relate theory of computer control systems to actual repairs.	Active
			3	Independently demonstrate ability to perform computer system and fuel system service using related diagnostic equipment.	Active
			4	Differentiate and analyze the causes of the emissions released from the internal combustion engine.	Active
			5	Demonstrate proper diagnostic procedures used on electronic fuel injection and emission systems.	Active
			6	Explain the need, application and operation of emission control systems.	Active
	Engine Performance III - Drivability	AUTO 124	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Using laboratory sheets, test and analyze vehicle computer control systems and apply theory of system operation to diagnostic procedures.	Active
	Four Wheel Alignment	AUTO 140	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	With instructor guidance and using assigned lab sheets, apply suspension and steering theory in order to identify steering and suspension concerns and determine necessary action.	Active
	Introduction to Automotive Technology	AUTO 099	1	Demonstrate standardized safety and hazardous waste handling practices.	Active

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			2	Identify the major automotive systems and describe how they work and interrelate to each other.	Active
	Introduction to Automotive Technology Lab	AUTO 100	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Perform basic vehicle maintenance service to prescribed industry standards.	Active
			3	Utilize required tools and equipment to perform basic vehicle maintenance service to major automotive systems.	Active
	Introduction to Hybrid, Electric & Alternative Fueled Vehicles	AUTO 129	1	Demonstrate standardized safety and hazardous waste handling practices.	Active
			2	Apply alternative energy operating theory to diagnosis of engine drivability problems.	Active
			3	Perform alternative energy system and related repairs to prescribed industry standards.	Active
			4	Utilize required tools and equipment to diagnose alternative energy system problems.	Active
SLO (CTE - Auto Tech) - Electronics Technology (ET)	Introduction to Basic Electronics	ET 110	1	Critique the historical development in the field of electricity/electronics, evaluate career opportunities in the field of electronics and comprehend basic electrical safety principles and practices	Active
			2	Distinguish the difference in physical and operating characteristics, and explain how the various electronics components are used in their applications	Active
			3	Describe basic atomic structure and explain its role in electrical and electronic systems	Active
			4	Describe the difference and evaluate the characteristics between resistance, current and voltage in a circuit, and differentiate between direct and alternating current	Active
			5	Calculate total and branch circuits resistance in series, parallel and series parallel circuits	Active
SLO (CTE - B&PS) - Business Administration	Analysis of Financial Statements	BUS 162	1	Explain why analysis of financial statement is important.	Active

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(BUS)	Analysis of Financial Statements	BUS 162	1	Explain why analysis of financial statement is important.	Active
			2	Derive inferences and estimates useful in making business decisions.	Active
			3	Analyze and prepare a financial analysis report.	Active
			4	Formulate and evaluate an investment portfolio of securities.	Active
Auditing	BUS 124	1	Explain the auditing process.	Active	
		2	Explain the need for generally accepted auditing standards.	Active	
		3	Clarify the difference between various audit reports.	Active	
		4	Describe the value of internal control systems.	Active	
		5	Apply various audit tests, steps and procedures applied during the audit process.	Active	
		6	Articulate important provisions of the Sarbanes-Oxley Act and Section 404.	Active	
Basic Keyboarding	BOT 100	1	Demonstrate proper techniques when keyboarding such as eyes on copy, body straight, feet flat on floor, fingers curved around home keys and rhythmic, unhesitant and continuous keystroking.	Active	
		2	Demonstrate keyboard input at the rate of at least 18 net wpm unless a physical disability limits speed.	Active	
		3	Utilize the various parts of the keyboard to effectively facilitate work (such as alphanumeric keys, numeric keypad, caps lock, shift, enter, and tab keys)	Active	
Business Communication	BUS 128	4	Edit exercises using proofreaders' marks	Active	
		1	Identify strategies for communicating effectively both orally and in writing in today's business environment.	Active	
		2	Define the major characteristics of effective oral and written business communication.	Active	
			3	Define and apply the five "C's" of communication to achieve a business-like tone that is clear, concise, complete, correct, and courteous in both oral and written communication.	Active

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			4	Describe and apply the three-step writing process when preparing business reports, composing memos, letters, good news, bad news and persuasive messages.	Active
	Business Law: Legal Environment of Business	BUS 125	1	Use criteria provided in class/textbook to compare and contrast the theories of jurisprudence and the classifications of law and how to locate each type of law.	Active
			10 (formally 14)	Use the appropriate Federal statutes to describe the major federal acts that pertain to anti-trust, securities regulation, employment law, and environmental law.	Active
			11 (formally 16)	Use international law to differentiate between the application of domestic and legal principles. Apply legal principles to an international scenario.	Active
			2	Differentiate the relationship between state and federal systems, jurisdiction of courts and the forms of Alternative Dispute Resolution.	Active
			3	Use the rules of Federal and State procedure to demonstrate how cases progress through the court system from problem, to filing, to trial, and appeal.	Active
			4	Use the U.S. Constitution and similar documents to describe the constitutional basis for federal government regulation of business, including limits of government power.	Active
			5	Apply the various rules of ethics to appraise the relationship between law and ethics, and the interaction between business managers, stakeholders, and society.	Active
			6 (formally 9)	Use agency law to describe the various agency relationships and the duties and liabilities of agents and principals.	Active
			7 (formally 10)	Use tort and criminal law to distinguish between torts and crimes and describe the purpose of criminal and tort law.	Active
			8 (formally 12)	Use contract law and the Uniform Commercial Code to distinguish between contracts governed by the Uniform Commercial Code and those governed by the common law of contracts.	Active
			9	Use the law of business organizations to explain the various forms a business can take; the benefits and burdens of each form; and the termination/dissolution of each.	Active
	Calculus for Business, Social and Behavioral Sciences	MATH 178	2	Apply derivatives to solve application problems from business or the natural or social sciences.	Active

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			3	Use graphical, numerical or analytical methods to solve real-world problems from business or the natural or social sciences.	Active
	Comprehensive Excel, Level I	BOT 123	1	Use Excel to create, edit, format and print workbooks.	Active
			2	Apply appropriate formulas and formats to worksheets.	Active
			3	Organize and manage worksheets effectively.	Active
	Comprehensive Excel, Level II	BOT 124	1	Evaluate appearance of worksheet and enhance with images, WordArt, SmartArt graphics, charts, and custom styles.	Active
			2	Apply appropriate advanced worksheet functions to analyze data in worksheet models.	Active
			3	Summarize and analyze complex data.	Active
	Comprehensive Excel, Level III	BOT 125	1	Perform complex tasks such as sharing worksheets and workbooks, protecting workbooks, validating data, auditing worksheets.	Active
			2	Recognize appropriate uses of macros and create them.	Active
			3	Include information from other Office applications and the internet into Excel workbooks.	Active
	Computerized Accounting Applications	BUS 176	1	Set-up, enter data, back-up and restore software files in the latest accounting software	Active
			2	Set up customers and track the entire sales process as well continue through the entire tracking revenue process.	Active
			3	Set up vendors and manage expenses, such as entering bills, tracking payables, writing checks and using a petty cash account.	Active
			4	Reconcile checking accounts, credit card statements and handle key concepts such as errors, omissions and non-sufficient checks using the bank reconciliation module.	Active
	Databases	CIS 140	1	Apply database terminology.	Active
			2	Develop a database following common design principles including normalization, appropriate primary and foreign keys in table relationships, lookup fields, input masks, and data validation rules.	Active
			3	Modify table design including field types and sizes to change the structure of a database.	Active
			4	Modify and insert table data.	Active

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			4		Active
			5	Create, run and save queries including calculated fields with mathematical and logical operators and action queries.	Active
			6	Design, run and save reports based on tables or queries.	Active
			7	Design and save database forms based on tables or queries.	Active
			8	Create database program flow and control using Macros and VBA.	Active
			9	Utilize database systems for filing, updating and retrieving data.	Active
	Elementary Accounting	BUS 109	1	Explain the basics of each of the primary financial statements, Income Statement, Statement of Owners Equity, Income statement. The explanations will include both structure and term definition.	Active
			2	Demonstrate basic interpretation of financial statements including fundamental ratio analysis.	Active
			3	Apply the basic concepts of double-entry bookkeeping principles.	Active
			4	Complete the accounting cycle for a company organized as a proprietorship which sells services and/or products.	Active
	Elementary Statistics	MATH 160	1	Summarize data graphically and numerically	Active
			2	Use descriptive statistics(measures of central tendency, variation, relative position, and levels/scales of measurement) to describe a population and compare populations when appropriate	Active
			3	Identify the sample space of an experiment or random trial	Active
			4	Find and interpret the expected value and standard deviation of a Random variable	Active
			5	Recognize the sampling distribution as a distribution of a sample statistic, the mean of the sampling distribution as the population mean, and the standard error of the sampling distribution as the standard deviation for the population (the Central Limit Theorem)	Active
			6	Construct and interpret confidence intervals	Active
			7	Use hypothesis tests and inference (including t-tests for one and two populations and Chi-square test) to determine if a	Active

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			7	result is statistically significant for discrete (binomial) and continuous (normal) distributions	Active
			8	Perform statistical analysis using technology such as SPSS, EXCEL, Minitab, or StatCrunch.	Active
			Inactive - (3)	Use analysis of variance (ANOVA) to analyze the differences between group means and their associated procedures such as variation among and between groups (originally...Use linear regression and ANOVA analysis for estimation and inference, and interpret the associated statistics)	Active
	Entrepreneurship: Starting and Developing a Business	BUS 111	1	Analyze problems that small businesses face in order to create a more successful and ethical model that differentiates failure from success as seen in a profitable business venture.	Active
			2	Describe different sources of funding that are used for new business ventures and explain how each can be used to acquire or expand new operations.	Active
			3	Write a complete business plan for a new or preexisting business that incorporates the analysis of organizational structure, income statements, balance sheet, and statement of cash flows.	Active
	Essential Access	BOT 116	1	Plan, create and edit databases and tables.	Active
			2	Analyze information desired and manipulate data through filters, sorts, and queries to obtain desired information.	Active
			3	Create forms and reports using Access features and wizards.	Active
	Essential Excel	BOT 115	SLO 1	Perform fundamental operations using Excel such as entering data on a worksheet, editing data, moving or copying cells, and formatting a worksheet.	Active
			SLO 2	Use formulas and functions to calculate data on worksheets	Active
			SLO 3	Add visual elements to worksheets such as charts, graphs, headers and footers.	Active
	Essential PowerPoint	BOT 117	1	Use PowerPoint to create slideshow presentations.	Active
			2	Use PowerPoint to apply animation effects and transition effects to presentations.	Active
			3	Use PowerPoint to edit and revise completed presentations.	Active

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	Essential Word	BOT 114	SLO 1	Perform fundamental operations using Word such as opening, closing or printing a document, inserting, deleting, formatting, selecting, cutting, copying or moving text, using templates, find and replace, or the spelling and grammar checker.	Active
			SLO 2	Use appropriate character, page and document formatting commands to produce appropriately formatted letters, envelopes, memos, tables, reports and labels.	Active
			SLO 3	Use Word features such as mail merge, WordArt, SmartArt, tables or the thesaurus.	Active
	Financial Accounting	BUS 120	1	Explain and apply the components of the conceptual framework for financial accounting and reporting, including the qualitative characteristics of accounting information, the assumptions underlying accounting, the basic principles of financial accounting, and the constraints and limitations on accounting information.	Active
			2	Apply transaction analysis when inputting transactions into the accounting system, process this input, and prepare and interpret the four basic financial statements according to GAAP (Generally Accepted Accounting Principles)	Active
			3	Distinguish between cash basis and accrual basis accounting and their impact on the financial statements, including the matching principle.	Active
			4	Explain the content, form and purpose of the four basic financial statements (including footnotes) and the annual report, and how they satisfy the information needs of investors, creditors, and other users.	Active
			5	Interpret company activity, profitability and liquidity through selection and application of appropriate financial analysis tools.	Active
			6	Identify the ethical implications inherent in financial reporting and be able to apply strategies for addressing them.	Active
	Human Relations in Business	BUS 115	1	Identify and compare the major motivational perspectives and theories.	Active
			2	Describe the major theories of leadership and management.	Active
	Human Resources Management	BUS 155	1	Describe how the Human Resources department is linked to other units within the organization.	Active

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			2	Describe the Federal and State laws that influence labor relations.	Active
			3	Identify the legal implications, monetary costs, and human morale costs of making improper personnel decisions.	Active
			4	Identify workplace human resource needs	Active
			5	Identify the laws involved in employee recruitment, testing, selection, orientation.	Active
			6	Compare options for employee hiring, development, training, motivation, and evaluation.	Active
	Individual Income Tax Accounting	BUS 150	1	Apply federal income tax law to individual income taxes.	Active
			2	Analyze specific tax problems related to the filing an individual federal income tax returns and calculate their solutions.	Active
			4	Prepare a sample federal income tax return	Active
			5	Articulate the objectives of federal taxation and relate various taxes, assessments, credits, deductions, etc., to those objectives.	Active
	Intermediate Accounting	BUS 122	1	Apply the conceptual framework of accounting theory to recognize, measure, and report of revenues and expenses.	Active
			2	Apply accounting principles to the record journal entries in the areas of cash, receivables, inventories, property and equipment, long and short-term liabilities, and stockholders equity.	Active
			3	Properly treat and present leases and accounting change in financial statements.	Active
	Intermediate Keyboarding/Document Processing I	BOT 102A	1	Prepare multipage correspondence using correct business formats.	Active
			2	Key a minimum of 35 net wpm on a 5-minute timed writing. (formally) Key 5-minute timed writings at a minimum of 40 net wpm.	Active
			3	Compose memos, agendas, office reports and correspondence with tables in appropriate format.	Active
			4	Analyze complex documents and apply appropriate word processing features to complete them.	Active
	Intermediate Keyboarding/Document	BOT 102B	1	Prepare multipage correspondence, legal documents, and medical office documents in appropriate formats.	Active

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	Processing II	BOT 102B	1		Active
			2	Apply templates, styles, and desktop publishing features, where appropriate, to produce business documents including memos, business letters, reports, fliers, resumes, and newsletters.	Active
			3	Key a minimum of 40 net wpm on a 5-minute timed writing.	Active
			4	Analyze complex documents and apply appropriate word processing features to complete them.	Active
	Interpersonal Communication	COMM 120	1	Describe the nature of communication including a specific definition of interpersonal communication.	Active
			2	Identify, explain and analyze the psychological, social, cultural and linguistic factors which affect the interpersonal communication of humans.	Active
			3	Describe and apply specific skills to the following areas of the human communication process: perception, empathy, listening, and conflict management.	Active
			4	Assess conflict in interpersonal relationships and apply appropriate conflict management skills including adapting to listener needs and demonstrating effective rhetorical strategies for creating interpersonal messages.	Active
	Introduction to Business	BUS 110	1	Identify and describe the components of a comprehensive business plan for both large and small businesses	Active
			2	Analyze and describe business and government organizations in a global economy	Active
	Keyboarding/Document Processing	BOT 101A	1	Demonstrate the touch method and proper techniques when keying.	Active
			2	Key a minimum of 25 net wpm on a 5-minute timed writing.	Active
			3	Prepare correctly formatted, error-free documents including simple memos, letters and reports.	Active
		BOT 101B	1	Employ the touch method and proper techniques when keying.	Active
			2	Key a minimum of 30 net wpm on a 5-minute timed writing.	Active

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			2		Active
			3	Prepare correctly formatted, error-free documents including memos, letters, tables and business reports.	Active
			4	Use proofreading skills to compose personal and business correspondence.	Active
	Managerial Accounting	BUS 121	1	Identify and illustrate the primary activities and informational needs of managers and explain the role of the managerial accountant as a member of the management team; compare and contrast financial and managerial accounting.	Active
			2	Distinguish between product and period costs; prepare and evaluate a Schedule of Cost of Goods Manufactured, Schedule of Cost of Goods Sold, and Income Statement.	Active
			3	Describe the traditional types of product costing systems (including job-order and process), illustrate the flow of costs in each, and prepare related accounting records and reports.	Active
			4	Explain the purposes of budgeting; prepare a master budget and its component schedules and relate the budget to planning and control.	Active
			5	Explain the development and use of standard costs, prepare and interpret variance analysis reports and relate them to responsibility accounting and control.	Active
			6	Compare and contrast absorption costing and variable costing, prepare income statements using both methods, and reconcile the resulting net incomes.	Active
			7	Explain the nature of capital expenditure decisions and apply and evaluate various methods used in making these decisions.	Active
	Payroll Accounting and Business Taxes	BUS 129	1	Describe the payroll accounting function and how it relates to the recording of journal entries into accounting records.	Active
			2	Describe employee and employer obligations regarding payroll withholdings, deductions and assessment.	Active
			3	Calculate payroll and prepare the necessary federal and state forms to meet filing requirements.	Active
			4	Distinguish between employee status and independent	Active

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			4	contractor.	Active
			5	Prepare the necessary forms for additional business taxes, such as sales and property taxes.	Active
	Personal Finance	BUS 195	1	Identify and describe the components of a comprehensive personal investment portfolio.	Active
			2	Describe consumer debt, personal budgets and money management	Active
			3	Compare and contrast the different types of insurance for consumers.	Active
	Principles of Information Systems	CIS 110	1	Describe and discuss the components and functions of computer systems, including both hardware and software.	Active
			2	Analyze business problems using modern productivity tools.	Active
			3	Analyze information system requirements and propose feasible alternatives for IT solutions.	Active
			4	Describe and discuss the system-development life-cycle.	Active
	Principles of Macroeconomics	ECON 120	1	Using the model of supply and demand, describe how the interaction of supply and demand in a market determines market price and quantity, illustrate how markets react to excess demand and supply, and illustrate how price floors, price ceilings and taxes affect market outcomes.	Active
			2	Differentiate between fiscal and monetary policy, and how each might be used to shape policy in order to reduce or maximize economic growth.	Active
			3	Analyze the basis for trade using the balance of payments and international transactions using opportunity cost data and the theories of comparative and absolute advantage.	Active
	Principles of Management	BUS 156	1	Describe and apply the various approaches or "schools of management" to the field of management.	Active
			2	Explain the importance of the management process and the fundamental functions making up this process.	Active
			3	Apply the fundamental guides of management to effectively solve business problems.	Active
			4	Describe how management contributes to all fundamental activities of business.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4		Active
			5	Describe the interrelationship of various components of a typical enterprise, the significance of management in each component and bring them together into a concerted, unified and effective endeavor.	Active
	Principles of Microeconomics	ECON 121	1	Demonstrate a basic understanding of microeconomics terms, models, and mathematical formulas while attaining the ability to transfer that knowledge into a basic understanding of real world economies.	Active
			2	Demonstrate a basic understanding of the market structures and their relationship to production, income, and labor. Using microeconomics terms, models, and mathematical formulas, explain that relationship in real world examples as to how firms and households interact.	Active
			3	Demonstrate a basic understanding of government's role both domestic and internationally and its interaction with firms and households as related to taxes, regulation, trade, and social engineering while exploring current issues in today's economy.	Active
	Public Speaking	COMM 122	1	Analyze their communication situation, including audience, occasion, purpose; and selection of subject matter.	Active
			2	Research, write and deliver an effective public speech.	Active
			3	Demonstrate that they are careful and critical thinkers and communicators, both as speakers and as listeners.	Active
	Windows Operating System	CIS 190	SLO 1 (2017)	Students will be able to given a computer troubleshooting or configuration scenario. Install, deploy, configure, repair, and manage a Windows client project using current industry software, hardware, and standards.	Active
	Windows Server-Active Directory	CIS 290	1	Install, deploy, configure and manage a Windows server project using current industry software and standards.	Active
SLO (CTE - B&PS) - Business Office Technology (BOT)	Advanced Keyboarding/Document Processing	BOT 201	1	Key a minimum of 45 net wpm on a 5-minute timed writing.	Active
			2	Compose and proofread documents for routine business correspondence, personal/business letters and employment.	Active
			3	Apply templates, styles, and desktop publishing features, where appropriate, to produce business documents, including press releases, meeting minutes, business letters on stationery and special paper sizes, dictated letters, and multi-page documents	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	with complex formatting requirements.	Active
			4	Evaluate completed documents for correct format and accuracy.	Active
	Basic Keyboarding	BOT 100	1	Demonstrate proper techniques when keyboarding such as eyes on copy, body straight, feet flat on floor, fingers curved around home keys and rhythmic, unhesitant and continuous keystroking.	Active
			2	Demonstrate keyboard input at the rate of at least 18 net wpm unless a physical disability limits speed.	Active
			3	Utilize the various parts of the keyboard to effectively facilitate work (such as alphanumeric keys, numeric keypad, caps lock, shift, enter, and tab keys)	Active
			4	Edit exercises using proofreaders' marks	Active
	Building Keyboarding Skill I	BOT 103A	1	Apply techniques of skill development acquired in previous coursework to increase keyboarding speed and accuracy.	Active
			2	Complete diagnostic drills and timings to determine rhythm patterns which may be interfering with speed.	Active
			3	Evaluate diagnostic timings for completion of selected prescriptive drills.	Active
			4	Achieve a minimum rate of 25 net wpm on a 5-minute timed writing.	Active
	Building Keyboarding Skill II	BOT 103B	1	Apply techniques of skill development acquired in previous coursework to increase keyboarding speed and accuracy to an intermediate level.	Active
			2	Complete diagnostic drills and timings to determine rhythm patterns which may be interfering with intermediate level speed.	Active
			3	Evaluate diagnostic timings for completion of selected intermediate level prescriptive drills.	Active
			4	Achieve a minimum rate of 40 net wpm on a 5-minute timed writing.	Active
	Building Keyboarding Skill III	BOT 103C	1	Apply techniques of skill development acquired in previous coursework to increase keyboarding speed and accuracy to a proficient level.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Evaluate diagnostic timings for completion of selected advanced level prescriptive drills for completion.	Active
			3	Achieve a minimum rate of 35 net wpm on a 5-minute timed writing.	Active
	Business Communication	BUS 128	1	Identify strategies for communicating effectively both orally and in writing in today's business environment.	Active
			2	Define the major characteristics of effective oral and written business communication.	Active
			3	Define and apply the five "C's" of communication to achieve a business-like tone that is clear, concise, complete, correct, and courteous in both oral and written communication.	Active
			4	Describe and apply the three-step writing process when preparing business reports, composing memos, letters, good news, bad news and persuasive messages.	Active
	Business Law: Legal Environment of Business	BUS 125	1	Use criteria provided in class/textbook to compare and contrast the theories of jurisprudence and the classifications of law and how to locate each type of law.	Active
			10 (formally 14)	Use the appropriate Federal statutes to describe the major federal acts that pertain to anti-trust, securities regulation, employment law, and environmental law.	Active
			11 (formally 16)	Use international law to differentiate between the application of domestic and legal principles. Apply legal principles to an international scenario.	Active
			2	Differentiate the relationship between state and federal systems, jurisdiction of courts and the forms of Alternative Dispute Resolution.	Active
			3	Use the rules of Federal and State procedure to demonstrate how cases progress through the court system from problem, to filing, to trial, and appeal.	Active
			4	Use the U.S. Constitution and similar documents to describe the constitutional basis for federal government regulation of business, including limits of government power.	Active
			5	Apply the various rules of ethics to appraise the relationship between law and ethics, and the interaction between business managers, stakeholders, and society.	Active
			6 (formally 9)	Use agency law to describe the various agency relationships and the duties and liabilities of agents and principals.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			6 (formally 9)		Active
			7 (formally10)	Use tort and criminal law to distinguish between torts and crimes and describe the purpose of criminal and tort law.	Active
			8 (formally 12)	Use contract law and the Uniform Commercial Code to distinguish between contracts governed by the Uniform Commercial Code and those governed by the common law of contracts.	Active
			9	Use the law of business organizations to explain the various forms a business can take; the benefits and burdens of each form; and the termination/dissolution of each.	Active
	Comprehensive Access, Level I	BOT 126	1	Explain the concepts involved in using Access.	Active
			2	Create databases, tables, forms and reports.	Active
			3	Use Access features to enter, revise and update data.	Active
			4	Design simple databases and tables to enter information efficiently.	Active
	Comprehensive Access, Level II	BOT 127	SLO 1	Create advanced queries with specific criteria to extract records from a database.	Active
			SLO 2	Create and use custom forms for entering data.	Active
			SLO 3	Establish table relationships.	Active
	Comprehensive Access, Level III	BOT 128	1	Explain the purposes and uses of the complex features available in Access.	Active
			2	Evaluate the objectives and requirements of a specific task and select the most effective Access features needed to accomplish the task.	Active
			3	Create and use macros and other Access tools.	Active
			4	Design advanced forms, queries and reports to accomplish a specified objective.	Active
	Comprehensive Excel, Level I	BOT 123	1	Use Excel to create, edit, format and print workbooks.	Active
			2	Apply appropriate formulas and formats to worksheets.	Active
			3	Organize and manage worksheets effectively.	Active
	Comprehensive Excel, Level II	BOT 124	1	Evaluate appearance of worksheet and enhance with images, WordArt, SmartArt graphics, charts, and custom styles.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Apply appropriate advanced worksheet functions to analyze data in worksheet models.	Active
			3	Summarize and analyze complex data.	Active
	Comprehensive Excel, Level III	BOT 125	1	Perform complex tasks such as sharing worksheets and workbooks, protecting workbooks, validating data, auditing worksheets.	Active
			2	Recognize appropriate uses of macros and create them.	Active
			3	Include information from other Office applications and the internet into Excel workbooks.	Active
	Comprehensive PowerPoint, Level I	BOT 129	1	Explain the basic concepts of PowerPoint.	Active
			2	Create, format, edit and print PowerPoint presentations.	Active
			3	Create presentations and add Clip Art, WordArt, drawing tools and AutoShapes to enhance presentations.	Active
	Comprehensive PowerPoint, Level II	BOT 130	1	Design, create and edit relatively complex presentations which may include charts, tables, organization charts and objects drawn with drawing tools and AutoShapes.	Active
			2	Apply accepted design guidelines for maximum presentation effectiveness.	Active
			3	Enhance presentations by applying animation effects, sound clips, motion clips, transitions, and using drawing tools and AutoShapes.	Active
	Comprehensive PowerPoint, Level III	BOT 131	SLO 1	Create complex presentations using advanced PowerPoint features.	Active
			SLO 2	Integrate Word and Excel with PowerPoint.	Active
			SLO 3	Create and save presentations in other formats, such as for web pages or transportable formats.	Active
	Comprehensive Word, Level I	BOT 120	1	Use efficient file creation and editing techniques.	Active
			2	Evaluate documents and format them appropriately and attractively.	Active
			3	Analyze a given task and select appropriate Word features to accomplish that task as efficiently as possible.	Active
	Comprehensive Word, Level II	BOT 121	1	Use increasingly complex features of Word to create a variety of documents.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Evaluate the objectives and requirements of specific tasks and select appropriate Word features to accomplish them efficiently.	Active
	Comprehensive Word, Level III	BOT 122	1	Use advanced file management techniques.	Active
			2	Use complex features of Word correctly and efficiently.	Active
	Computer Basics for the Office	BOT 096	1	Identify input, output and storage devices in a computer system and demonstrate their practical applications for minimizing file storage and maximizing efficiency in the standard office environment.	Active
			2	Demonstrate how to use the Internet for common tasks such as searching, accessing and downloading information	Active
			3	Identify the basic features of the Windows operating system and demonstrate its practical applications in the use of file management and utility programs.	Active
	Computer Concepts and Applications	BOT 174	1	Demonstrate proficiency by selecting and using appropriate application software to solve specific tasks.	Active
			2	Identify the hardware and software components of a computer system.	Active
			3	Use social media and cloud technology to share files and collaborate in a business-oriented team environment.	Active
			4	Identify Internet and mobile device security risks and techniques for minimizing risk and safeguarding personal information.	Active
	Computerized Accounting Applications	BUS 176	1	Set-up, enter data, back-up and restore software files in the latest accounting software	Active
			2	Set up customers and track the entire sales process as well continue through the entire tracking revenue process.	Active
			3	Set up vendors and manage expenses, such as entering bills, tracking payables, writing checks and using a petty cash account.	Active
			4	Reconcile checking accounts, credit card statements and handle key concepts such as errors, omissions and non-sufficient checks using the bank reconciliation module.	Active
	Data Entry Skills	BOT 105	SLO 1	Key alphanumeric data at a rate of 30 nwpm corrected for errors.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			SLO 2	Key numeric data at a rate of 120 keystrokes per minute.	Active
			SLO3	Enter data with 90% or higher accuracy.	Active
	Databases	CIS 140	1	Apply database terminology.	Active
			2	Develop a database following common design principles including normalization, appropriate primary and foreign keys in table relationships, lookup fields, input masks, and data validation rules.	Active
			3	Modify table design including field types and sizes to change the structure of a database.	Active
			4	Modify and insert table data.	Active
			5	Create, run and save queries including calculated fields with mathematical and logical operators and action queries.	Active
			6	Design, run and save reports based on tables or queries.	Active
			7	Design and save database forms based on tables or queries.	Active
			8	Create database program flow and control using Macros and VBA.	Active
			9	Utilize database systems for filing, updating and retrieving data.	Active
	Elementary Accounting	BUS 109	1	Explain the basics of each of the primary financial statements, Income Statement, Statement of Owners Equity, Income statement. The explanations will include both structure and term definition.	Active
			2	Demonstrate basic interpretation of financial statements including fundamental ratio analysis.	Active
			3	Apply the basic concepts of double-entry bookkeeping principles.	Active
			4	Complete the accounting cycle for a company organized as a proprietorship which sells services and/or products.	Active
	Essential Access	BOT 116	1	Plan, create and edit databases and tables.	Active
			2	Analyze information desired and manipulate data through filters, sorts, and queries to obtain desired information.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	Create forms and reports using Access features and wizards.	Active
	Essential Excel	BOT 115	SLO 1	Perform fundamental operations using Excel such as entering data on a worksheet, editing data, moving or copying cells, and formatting a worksheet.	Active
			SLO 2	Use formulas and functions to calculate data on worksheets	Active
			SLO 3	Add visual elements to worksheets such as charts, graphs, headers and footers.	Active
	Essential PowerPoint	BOT 117	1	Use PowerPoint to create slideshow presentations.	Active
			2	Use PowerPoint to apply animation effects and transition effects to presentations.	Active
			3	Use PowerPoint to edit and revise completed presentations.	Active
	Essential Word	BOT 114	SLO 1	Perform fundamental operations using Word such as opening, closing or printing a document, inserting, deleting, formatting, selecting, cutting, copying or moving text, using templates, find and replace, or the spelling and grammar checker.	Active
			SLO 2	Use appropriate character, page and document formatting commands to produce appropriately formatted letters, envelopes, memos, tables, reports and labels.	Active
			SLO 3	Use Word features such as mail merge, WordArt, SmartArt, tables or the thesaurus.	Active
	Filing and Records Management	BOT 104	1	Apply ARMA alphabetic, numeric, geographic and subject filing rules to create and maintain files.	Active
			2	Apply basic file management techniques for creation and maintenance of files.	Active
			3	Apply basic record retention cycle rules to maintain files.	Active
	Financial Accounting	BUS 120	1	Explain and apply the components of the conceptual framework for financial accounting and reporting, including the qualitative characteristics of accounting information, the assumptions underlying accounting, the basic principles of financial accounting, and the constraints and limitations on accounting information.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Apply transaction analysis when inputting transactions into the accounting system, process this input, and prepare and interpret the four basic financial statements according to GAAP (Generally Accepted Accounting Principles)	Active
			3	Distinguish between cash basis and accrual basis accounting and their impact on the financial statements, including the matching principle.	Active
			4	Explain the content, form and purpose of the four basic financial statements (including footnotes) and the annual report, and how they satisfy the information needs of investors, creditors, and other users.	Active
			5	Interpret company activity, profitability and liquidity through selection and application of appropriate financial analysis tools.	Active
			6	Identify the ethical implications inherent in financial reporting and be able to apply strategies for addressing them.	Active
	Google Applications for Business	BOT 132	1	Analyze a given business task and select the appropriate Google App tool to complete that task.	Active
			2	Integrate and share data between Google Apps and Microsoft Office applications.	Active
			3	Use cloud technology to share files and collaborate in a business oriented team environment.	Active
	Human Relations in Business	BUS 115	1	Identify and compare the major motivational perspectives and theories.	Active
			2	Describe the major theories of leadership and management.	Active
	Integrated Office Projects	BOT 118	SLO 1	Use Word, Access, Excel and PowerPoint to complete a variety of projects.	Active
			SLO 2	Integrate Word, Access, Excel and PowerPoint for efficient completion of assigned tasks such as merging an Access database with a Word form letter.	Active
			SLO 3	Integrate Microsoft Office applications with the Internet to complete assigned projects such as research for a PowerPoint presentation or creating a web page using Word.	Active
	Intermediate Keyboarding/Document Processing I	BOT 102A	1	Prepare multipage correspondence using correct business formats.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Intermediate Keyboarding/Document Processing I	BOT 102A	1		Active
			2	Key a minimum of 35 net wpm on a 5-minute timed writing. (formally) Key 5-minute timed writings at a minimum of 40 net wpm.	Active
			3	Compose memos, agendas, office reports and correspondence with tables in appropriate format.	Active
			4	Analyze complex documents and apply appropriate word processing features to complete them.	Active
	Intermediate Keyboarding/Document Processing II	BOT 102B	1	Prepare multipage correspondence, legal documents, and medical office documents in appropriate formats.	Active
			2	Apply templates, styles, and desktop publishing features, where appropriate, to produce business documents including memos, business letters, reports, fliers, resumes, and newsletters.	Active
			3	Key a minimum of 40 net wpm on a 5-minute timed writing.	Active
			4	Analyze complex documents and apply appropriate word processing features to complete them.	Active
	Introduction to Business	BUS 110	1	Identify and describe the components of a comprehensive business plan for both large and small businesses	Active
			2	Analyze and describe business and government organizations in a global economy	Active
	Keyboarding Skill Reinforcement	BOT 095	1	Identify, evaluate and correct faulty techniques which maybe interfering interfere with speed and accuracy development.	Active
			2	Analyze results of timed writings and assess needs for speed and/or accuracy development.	Active
			3	Demonstrate keybpard input at the rate of at least 20 net wpm unless a physical disability limits speed	Active
	Keyboarding/Document Processing	BOT 101A	1	Demonstrate the touch method and proper techniques when keying.	Active
			2	Key a minimum of 25 net wpm on a 5-minute timed writing.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	Prepare correctly formatted, error-free documents including simple memos, letters and reports.	Active
		BOT 101B	1	Employ the touch method and proper techniques when keying.	Active
			2	Key a minimum of 30 net wpm on a 5-minute timed writing.	Active
			3	Prepare correctly formatted, error-free documents including memos, letters, tables and business reports.	Active
			4	Use proofreading skills to compose personal and business correspondence.	Active
	Office Systems and Procedures	BOT 107	1	Analyze a particular office human relations problems and suggest appropriate ethical and professional guidelines to resolve the problems.	Active
			2	Analyze an assigned office workflow/productivity problem and suggest an effective solutions.	Active
			3	Compose, send and organize email messages to maintain and track business correspondence.	Active
	Office Work Experience	BOT 223	SLO 1	Complete a minimum of 60 unpaid or 75 paid hours of supervised work in an office setting.	Active
			SLO 2 (formerly 3)	Demonstrate good work habits for successful job performance	Active
			SLO 3 (formerly 4)	Analyze job/employer requirements to prioritize and complete tasks	Active
		BOT 224	SLO 1	Complete 120-150 hours of supervised work in an office setting	Active
			SLO 2 (formerly 3)	Demonstrate good work habits for successful job performance	Active
			SLO 3 (formerly 4)	Analyze job/employer requirements to prioritize and complete tasks	Active
		BOT 225	SLO 1	Complete 180-225 hours of supervised work in an office setting	Active
			SLO 2 (formerly 3)	Demonstrate good work habits for successful job performance	Active
			SLO 3 (formerly 4)	Analyze job/employer requirements to prioritize and complete tasks	Active
	Principles of Information Systems	CIS 110	1	Describe and discuss the components and functions of computer systems, including both hardware and software.	Active
			2	Analyze business problems using modern productivity tools.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2		Active
			3	Analyze information system requirements and propose feasible alternatives for IT solutions.	Active
			4	Describe and discuss the system-development life-cycle.	Active
	Principles of Management	BUS 156	1	Describe and apply the various approaches or "schools of management" to the field of management.	Active
			2	Explain the importance of the management process and the fundamental functions making up this process.	Active
			3	Apply the fundamental guides of management to effectively solve business problems.	Active
			4	Describe how management contributes to all fundamental activities of business.	Active
			5	Describe the interrelationship of various components of a typical enterprise, the significance of management in each component and bring them together into a concerted, unified and effective endeavor.	Active
	Using Calculators to Solve Business Problems	BOT 108	1	Explain the parts of a 10-key electronic calculator.	Active
			2	Solve common business problems using an electronic printing calculator.	Active
			3	Key using the touch method.	Active
	Using Microsoft Outlook	BOT 151	1	Compose, send, reply to, forward, open, print, delete and flag email messages with file attachments.	Active
			2	Create and maintain folders and calendars.	Active
			3	Maintain and utilize distribution lists and contacts.	Active
			4	Create, update, print and delete notes and tasks.	Active
	Windows Basics for the Office	BOT 097	1	Utilize the Windows operating system to demonstrate basic disk management skills such as formatting, copying between disks, hard drive and network drives, and checking disk space.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Utilize the Windows operating system to demonstrate basic file management skills such as displaying, creating, editing, saving, retrieving, renaming, restoring, maintaining, protecting, copying, and printing.	Active
	Windows For the Information Worker	BOT 119	SLO 1	Identify the fundamental parts of the Windows environment	Active
			SLO 2	Operate the Windows desktop features	Active
			SLO 3	Open, search, edit, save, and manage files and folders	Active
SLO (CTE - B&PS) - Economics (ECON)	Economic Issues and Policies	ECON 110	1	Identify the consequences of scarcity, and explain how changes in opportunity cost affect behavior using basic economic principles.	Active
			10	Utilize the Keynesian model to explain how, and under what conditions, the multiplier works and identify the difference between expansionary and contractionary fiscal policy.	Active
			11	Using materials provided in class and in the textbook, explain what money is, how it is created, and its role in determining macroeconomic equilibrium; explain the Federal Reserve System's role in determining macroeconomic equilibrium; and explain the difference between the activist and non-activist approach as it applies to monetary policy, and the impact of expectations and lags in the implementation of monetary policy.	Active
			12	Using opportunity cost data, explain comparative advantage and how it affects trade.	Active
			13	Using economic principles developed in class and in the textbook, explain how international trade transactions work, and explain how and why nations restrict trade.	Active
			2	Using concepts introduced in class, distinguish between the various economic systems.	Active
			3	Using the supply and demand model, describe how the interaction of supply and demand in a market determines market price and quantity, illustrate how markets react to excess demand and supply, and illustrate how price floors and price ceilings affect market outcomes.	Active
			4	Using formulas introduced in class, compute the price elasticity	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4	of demand, and explain the relationship between elastic, inelastic, and unit elastic demand and total revenue.	Active
			5	Using formulas developed in class and in the textbook, distinguish between implicit and explicit costs, accounting and economic profit, and between the short-run and the long-run in order to compute and graph the following: marginal product; average product; marginal cost; and average fixed, average variable, and average total cost.	Active
			6	Using models developed in class and found in the textbook, compare and contrast pricing and output behavior of firms in perfect competition, monopoly, monopolistic competition, and oligopoly, then evaluate how and why government intervenes to change the structure and behavior of firms in monopolistic and imperfectly competitive markets.	Active
			7	Using basic economic input market models, compare and contrast how wages are set in the following markets: competitive labor market, monopoly labor market, monopsony, and bilateral monopoly; differentiate between rent, interest, and profits as incomes determined in markets.	Active
			8	Using government data, compute the measures of aggregate economic activity: domestic product, national income, unemployment, and inflation; apply these measures of economic activity to the behavior of the business cycle; and explain the difference between nominal and real measures of the economy.	Active
			9	Using the aggregate supply and demand model, distinguish between long run and short run equilibrium in the macroeconomy; explain how the macroeconomy reaches equilibrium and how it moves from equilibrium to equilibrium; and identify the factors that can change the price level, Real GDP, and the unemployment rate.	Active
	Principles of Macroeconomics	ECON 120	1	Using the model of supply and demand, describe how the interaction of supply and demand in a market determines market price and quantity, illustrate how markets react to excess demand and supply, and illustrate how price floors, price ceilings and taxes affect market outcomes.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Differentiate between fiscal and monetary policy, and how each might be used to shape policy in order to reduce or maximize economic growth.	Active
			3	Analyze the basis for trade using the balance of payments and international transactions using opportunity cost data and the theories of comparative and absolute advantage.	Active
	Principles of Microeconomics	ECON 121	1	Demonstrate a basic understanding of microeconomics terms, models, and mathematical formulas while attaining the ability to transfer that knowledge into a basic understanding of real world economies.	Active
			2	Demonstrate a basic understanding of the market structures and their relationship to production, income, and labor. Using microeconomics terms, models, and mathematical formulas, explain that relationship in real world examples as to how firms and households interact.	Active
			3	Demonstrate a basic understanding of government's role both domestic and internationally and its interaction with firms and households as related to taxes, regulation, trade, and social engineering while exploring current issues in today's economy.	Active
SLO (CTE - B&PS) - Paralegal (PARA)	Administrative Law	PARA 120	1	Draft pleading and documents for administrative hearings	Active
			2	Assemble and analyze records from courts or agencies relevant to case or client by utilizing Freedom of Information and Public Records Acts requests.	Active
			3	Conduct legal research including procedural, administrative case or law research	Active
			4	Review forms to obtain all necessary data	Active
			5	Draft, serve and file complaints in adversary proceedings	Active
			6	Explain the role and professional and ethical responsibilities of the paralegal	Active
	Bankruptcy Law	PARA 135	1	Identify the proper court in which to file bankruptcy action(s).	Active
			2	Identify necessary information for drafting schedules to accompany bankruptcy petitions for all applicable bankruptcy chapter proceedings.	Active
			SLO 3 (formerly 4)	Describe the nature and duration of automatic stays available from the bankruptcy court on filing petition.	Active
			SLO 4 (formerly 5)	Distinguish between the legal effects of and reasons for filing	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			SLO 4 (formerly 5)	under Chapters 7, 11 and 13 of the Bankruptcy Code.	Active
			SLO 5 (formerly 6)	Prepare Motions for Relief from the Automatic Stay and understand the basis for doing so.	Active
			SLO 6 (formerly 7)	Describe and distinguish the nature of each of the regular hearings in a bankruptcy action, including the first meeting of creditors and special hearings and motions customarily applicable to bankruptcy proceedings.	Active
			SLO 7 (formerly 9)	Identify and discuss ethical issues commonly encountered in bankruptcy matters.	Active
			SLO 8 (formerly 11)	Analyze issues relating to bankruptcy proceedings and demonstrate the ability to present the analysis to creditors, debtors or attorneys.	Active
			SLO 9 (formerly 12)	Identify selected bankruptcy code sections and terminology unique to bankruptcy petitions.	Active
	Business Law: Legal Environment of Business	BUS 125	1	Use criteria provided in class/textbook to compare and contrast the theories of jurisprudence and the classifications of law and how to locate each type of law.	Active
			10 (formally 14)	Use the appropriate Federal statutes to describe the major federal acts that pertain to anti-trust, securities regulation, employment law, and environmental law.	Active
			11 (formally 16)	Use international law to differentiate between the application of domestic and legal principles. Apply legal principles to an international scenario.	Active
			2	Differentiate the relationship between state and federal systems, jurisdiction of courts and the forms of Alternative Dispute Resolution.	Active
			3	Use the rules of Federal and State procedure to demonstrate how cases progress through the court system from problem, to filing, to trial, and appeal.	Active
			4	Use the U.S. Constitution and similar documents to describe the constitutional basis for federal government regulation of business, including limits of government power.	Active
			5	Apply the various rules of ethics to appraise the relationship between law and ethics, and the interaction between business managers, stakeholders, and society.	Active
			6 (formally 9)	Use agency law to describe the various agency relationships	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			6 (formally 9)	and the duties and liabilities of agents and principals.	Active
			7 (formally10)	Use tort and criminal law to distinguish between torts and crimes and describe the purpose of criminal and tort law.	Active
			8 (formally 12)	Use contract law and the Uniform Commercial Code to distinguish between contracts governed by the Uniform Commercial Code and those governed by the common law of contracts.	Active
			9	Use the law of business organizations to explain the various forms a business can take; the benefits and burdens of each form; and the termination/dissolution of each.	Active
	Business Organizations	PARA 125	1	Identify the various aspects of different business entities.	Active
			2	Describe the components of partnership agreements or Limited Liability Companies.	Active
			3	Identify the necessary documents to form, maintain and dissolve a corporation.	Active
			4	Collect information and verify filings with the Secretary of State and other state and local agencies.	Active
			5	Utilize the Secretary of State's website for formation, maintenance and termination of a limited liability company and corporation and determine the appropriate information for use by that business entity.	Active
	Civil Litigation Practice and Procedures	PARA 110	1	Prepare a client file, gather and organize factual data.	Active
			2	Prepare pleadings such as complaints, various discovery tools, and exhibit for use at trial.	Active
			3	Research and prepare legal memoranda and briefs.	Active
			4	Locate and interview witnesses and prepare witness statements and depositions.	Active
			5	Analyze all materials and literature necessary for a case and write reports/memorandums.	Active
	Comprehensive Word, Level I	BOT 120	1	Use efficient file creation and editing techniques.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Evaluate documents and format them appropriately and attractively.	Active
			3	Analyze a given task and select appropriate Word features to accomplish that task as efficiently as possible.	Active
	Comprehensive Word, Level II	BOT 121	1	Use increasingly complex features of Word to create a variety of documents.	Active
			2	Evaluate the objectives and requirements of specific tasks and select appropriate Word features to accomplish them efficiently.	Active
	Comprehensive Word, Level III	BOT 122	1	Use advanced file management techniques.	Active
			2	Use complex features of Word correctly and efficiently.	Active
	Computer Assisted Legal Research (CALR)	PARA 132	1	Demonstrate an understanding of, and properly use, legal terminology.	Active
			2	Evaluate issues of ethics and professionalism faced by paralegals and attorneys in California and demonstrate the process for conducting basic electronic ethics research.	Active
			3	Locate, interpret and validate Federal, State and administrative statutory, regulatory and case based electronic research.	Active
			4	Demonstrate timely and correct completion of assignments using critical thinking and analysis skills.	Active
			5	Identify the jurisdiction of Federal and State Courts and the electronic legal authorities that pertain to each.	Active
	Criminal Law and Procedures	PARA 140	1	Define the important legal terms such as jurisdiction and venue and burden of proof	Active
			2	Distinguish between the following types of law: Common, Statutory, Procedural, Substantive, Case	Active
			3	Compare the elements of an offense with the facts presented in a hypothetical situation to determine if an offense has been committed	Active
			4	Prepare various motions for a civil proceeding such as compelling discovery, to Set Aside Indictment, to Suppress, to	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4	Controvert, for Civil Compromise, for Diversion, in Limine, for Return of Property, to Postpone Trial, to Disqualify Judge, to Withdraw as Attorney of Record	Active
			5	Draft and respond to interrogatories, deposition questions; summarize depositions	Active
			SLO 6 (formerly 7)	Explain the role and professional and ethical responsibilities of the paralegal	Active
	Electronic Discovery: Practice and Procedure	PARA 175	1	Students will be able to identify the different stages of data retention and production	Active
			2	Students will understand the obligations of a company /client/law firm/attorney to preserve data in anticipation of litigation and the events that trigger such duties.	Active
			3	Students will be able to explain an overview of the production and review process and the ways a paralegal can help to reduce costs during the production and review process.	Active
			4	Students will be able to identify and evaluate ethical implications inherent in E-discovery.	Active
	Estate Planning	PARA 145	1	Correctly and properly use pertinent legal terminology.	Active
			2	Recognize and identify potential ethical problems in the areas of estate planning and administration of estates.	Active
			3	Create court documents or legal instruments used in the specialty area.	Active
			4	Effectively apply appropriate technology relevant to the specialty area.	Active
			5	Communicate effectively both orally and in writing in a professional and legal setting.	Active
	Family Law	PARA 150	2	Prepare forms, memoranda and documents for family law matters	Active
			3	Investigate facts and prepare cases for settlement or trial.	Active
			5	Draft pleadings and discovery in hypothetical cases	Active
			7	Explain the role and ethical responsibilities of the paralegal.	Active
	Internship	PARA 250	1	Develop specific educational goals to be completed during the semester which will enhance problem solving, critical thinking, and communication skills required to perform effectively within the paralegal field.	Active
			2	For each goal, develop a training plan which includes implementation processes and procedures and a completion date.	Active
			3	Function professionally in a typical paralegal workplace environment.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4	Assess future training needs for a career in the paralegal professional.	Active
			5	Explain the role and professional and ethical responsibilities of the paralegal	Active
	Introduction to Paralegal Studies	PARA 100	1	Verbally and in written form communicate their understanding of the judicial system, both federal and state.	Active
			2	Demonstrate their knowledge of the major areas of substantive law, procedural aspects of the law in both criminal and civil cases, and the difference between common law, civil law and equity.	Active
			3	Utilize paralegal skills such as conducting modest research assignments, keeping track of billable hours, using technology in the law office, and gathering evidence with various discovery tools.	Active
			4	Explain the rules of professional responsibility as they affect a paralegal, including the different voluntary ethical standards suggested by NALA, NFPA, ABA and the California Rules of Professional Responsibility, Unauthorized Practice of Law, and the requirements for using the title of Paralegal in the State of California.	Active
	Legal Research and Writing	PARA 130	1	Locate and research general areas of the law.	Active
			2	Conduct legal research and use correct writing terminology.	Active
			3	Draft various legal documents including memoranda of law and legal correspondence.	Active
			4	Complete basic research and writing assignments independently.	Active
			5	Describe a paralegal's ethical duties in legal research and writing.	Active
	Personal Injury	PARA 160	1	Identify the proper court which has jurisdiction over personal injury matters.	Active
			2	Recognize and calculate the applicable statute(s) of limitations and filing deadlines for government claims for each of the major types of torts including negligence.	Active
			3	Identify the pleadings and other formal documents typical to a negligence case involving personal injury, death and/or property damage.	Active
			4	Conduct client and witness interviews to determine the	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4	operative legal facts applicable to causes of action for negligence and other torts.	Active
			5	Analyze the elements of a personal injury cause of action.	Active
	Special Studies or Projects in Paralegal Studies	PARA 199	1	Demonstrate increased knowledge and understanding in diverse areas of Paralegal Studies	Active
			2	Develop mastery in a diverse topic in Paralegal Studies not presented in the regular curriculum.	Active
	Worker's Compensation	PARA 170	1	Describe how the Worker's Compensation system works in California	Active
			2	Articulate how benefits are claimed and processed and how claims disputes are resolved	Active
			3	Apply principles of administrative law to compensation claims	Active
			4	Calculate entitlement benefits in compensation claims	Active
			5	Apply ethical and professional responsibilities of the paralegal in Worker's Compensation practice	Active
			6	Explain the role and professional and ethical responsibilities of the paralegal	Active
SLO (CTE - B&PS) - Real Estate (RE)	Business Law: Legal Environment of Business	BUS 125	1	Use criteria provided in class/textbook to compare and contrast the theories of jurisprudence and the classifications of law and how to locate each type of law.	Active
			10 (formally 14)	Use the appropriate Federal statutes to describe the major federal acts that pertain to anti-trust, securities regulation, employment law, and environmental law.	Active
			11 (formally 16)	Use international law to differentiate between the application of domestic and legal principles. Apply legal principles to an international scenario.	Active
			2	Differentiate the relationship between state and federal systems, jurisdiction of courts and the forms of Alternative Dispute Resolution.	Active
			3	Use the rules of Federal and State procedure to demonstrate how cases progress through the court system from problem, to filing, to trial, and appeal.	Active
			4	Use the U.S. Constitution and similar documents to describe the constitutional basis for federal government regulation of business, including limits of government power.	Active
			5	Apply the various rules of ethics to appraise the relationship between law and ethics, and the interaction between business	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5	managers, stakeholders, and society.	Active
			6 (formally 9)	Use agency law to describe the various agency relationships and the duties and liabilities of agents and principals.	Active
			7 (formally 10)	Use tort and criminal law to distinguish between torts and crimes and describe the purpose of criminal and tort law.	Active
			8 (formally 12)	Use contract law and the Uniform Commercial Code to distinguish between contracts governed by the Uniform Commercial Code and those governed by the common law of contracts.	Active
			9	Use the law of business organizations to explain the various forms a business can take; the benefits and burdens of each form; and the termination/dissolution of each.	Active
	Economic Issues and Policies	ECON 110	1	Identify the consequences of scarcity, and explain how changes in opportunity cost affect behavior using basic economic principles.	Active
			10	Utilize the Keynesian model to explain how, and under what conditions, the multiplier works and identify the difference between expansionary and contractionary fiscal policy.	Active
			11	Using materials provided in class and in the textbook, explain what money is, how it is created, and its role in determining macroeconomic equilibrium; explain the Federal Reserve System's role in determining macroeconomic equilibrium; and explain the difference between the activist and non-activist approach as it applies to monetary policy, and the impact of expectations and lags in the implementation of monetary policy.	Active
			12	Using opportunity cost data, explain comparative advantage and how it affects trade.	Active
			13	Using economic principles developed in class and in the textbook, explain how international trade transactions work, and explain how and why nations restrict trade.	Active
			2	Using concepts introduced in class, distinguish between the various economic systems.	Active
			3	Using the supply and demand model, describe how the interaction of supply and demand in a market determines	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	market price and quantity, illustrate how markets react to excess demand and supply, and illustrate how price floors and price ceilings affect market outcomes.	Active
			4	Using formulas introduced in class, compute the price elasticity of demand, and explain the relationship between elastic, inelastic, and unit elastic demand and total revenue.	Active
			5	Using formulas developed in class and in the textbook, distinguish between implicit and explicit costs, accounting and economic profit, and between the short-run and the long-run in order to compute and graph the following: marginal product; average product; marginal cost; and average fixed, average variable, and average total cost.	Active
			6	Using models developed in class and found in the textbook, compare and contrast pricing and output behavior of firms in perfect competition, monopoly, monopolistic competition, and oligopoly, then evaluate how and why government intervenes to change the structure and behavior of firms in monopolistic and imperfectly competitive markets.	Active
			7	Using basic economic input market models, compare and contrast how wages are set in the following markets: competitive labor market, monopoly labor market, monopsony, and bilateral monopoly; differentiate between rent, interest, and profits as incomes determined in markets.	Active
			8	Using government data, compute the measures of aggregate economic activity: domestic product, national income, unemployment, and inflation; apply these measures of economic activity to the behavior of the business cycle; and explain the difference between nominal and real measures of the economy.	Active
			9	Using the aggregate supply and demand model, distinguish between long run and short run equilibrium in the macroeconomy; explain how the macroeconomy reaches equilibrium and how it moves from equilibrium to equilibrium; and identify the factors that can change the price level, Real GDP, and the unemployment rate.	Active
	Financial Accounting	BUS 120	1	Explain and apply the components of the conceptual	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Financial Accounting	BUS 120	1	framework for financial accounting and reporting, including the qualitative characteristics of accounting information, the assumptions underlying accounting, the basic principles of financial accounting, and the constraints and limitations on accounting information.	Active
			2	Apply transaction analysis when inputting transactions into the accounting system, process this input, and prepare and interpret the four basic financial statements according to GAAP (Generally Accepted Accounting Principles)	Active
			3	Distinguish between cash basis and accrual basis accounting and their impact on the financial statements, including the matching principle.	Active
			4	Explain the content, form and purpose of the four basic financial statements (including footnotes) and the annual report, and how they satisfy the information needs of investors, creditors, and other users.	Active
			5	Interpret company activity, profitability and liquidity through selection and application of appropriate financial analysis tools.	Active
			6	Identify the ethical implications inherent in financial reporting and be able to apply strategies for addressing them.	Active
	Introduction to Business	BUS 110	1	Identify and describe the components of a comprehensive business plan for both large and small businesses	Active
			2	Analyze and describe business and government organizations in a global economy	Active
	Managerial Accounting	BUS 121	1	Identify and illustrate the primary activities and informational needs of managers and explain the role of the managerial accountant as a member of the management team; compare and contrast financial and managerial accounting.	Active
			2	Distinguish between product and period costs; prepare and evaluate a Schedule of Cost of Goods Manufactured, Schedule of Cost of Goods Sold, and Income Statement.	Active
			3	Describe the traditional types of product costing systems (including job-order and process), illustrate the flow of costs in each, and prepare related accounting records and reports.	Active
			4	Explain the purposes of budgeting; prepare a master budget and its component schedules and relate the budget to planning and control.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5	Explain the development and use of standard costs, prepare and interpret variance analysis reports and relate them to responsibility accounting and control.	Active
			6	Compare and contrast absorption costing and variable costing, prepare income statements using both methods, and reconcile the resulting net incomes.	Active
			7	Explain the nature of capital expenditure decisions and apply and evaluate various methods used in making these decisions.	Active
	Principles of Macroeconomics	ECON 120	1	Using the model of supply and demand, describe how the interaction of supply and demand in a market determines market price and quantity, illustrate how markets react to excess demand and supply, and illustrate how price floors, price ceilings and taxes affect market outcomes.	Active
			2	Differentiate between fiscal and monetary policy, and how each might be used to shape policy in order to reduce or maximize economic growth.	Active
			3	Analyze the basis for trade using the balance of payments and international transactions using opportunity cost data and the theories of comparative and absolute advantage.	Active
	Principles of Microeconomics	ECON 121	1	Demonstrate a basic understanding of microeconomics terms, models, and mathematical formulas while attaining the ability to transfer that knowledge into a basic understanding of real world economies.	Active
			2	Demonstrate a basic understanding of the market structures and their relationship to production, income, and labor. Using microeconomics terms, models, and mathematical formulas, explain that relationship in real world examples as to how firms and households interact.	Active
			3	Demonstrate a basic understanding of government's role both domestic and internationally and its interaction with firms and households as related to taxes, regulation, trade, and social engineering while exploring current issues in today's economy.	Active
	Real Estate Appraisal	RE 194	1	Use accepted techniques to appraise single and multi-family dwellings.	Active
			2	Describe how commercial and industrial property is appraised.	Active
	Real Estate Finance	RE 192	1	identify and describe sources and type of funds used in real estate transactions and evaluate which source is most appropriate for mortgage and lending	Active
			2	Solve real estate financing problems. Use finance terms to	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	explain important finance concepts and complete an FNMA/FHLMC Uniform Residential Application form.	Active
			3	identify, compare, and contrast supplements and alternatives to mortgage financing, to describe and evaluate the difference between institutional lenders and their source of funds, to identify creative or alternative financing options in a given situation, and identify the concerns a lender might raise in qualifying a borrower for a loan	Active
			4	determine the most appropriate course of financing from the point of view of each of the parties to the transaction.	Active
	Real Estate Internship	RE 250	1	Develop specific educational goals related to real estate which will enhance problem solving, critical thinking, and communication skills required to perform effectively within the real estate field.	Active
			2	For specific educational goals related to real estate, develop a training plan which includes implementation processes and procedures and a completion date.	Active
			3	Function professionally in a typical real estate workplace environment.	Active
			4	Assess future training needs for a career as a real estate professional.	Active
			5	Identify potential ethical situations in a Real Estate office and the appropriate actions to take.	Active
	Real Estate Legal Aspects	RE 193	1	Understand and distinguish among various interests in real property.	Active
			2	Understand and distinguish among different forms of direct and indirect concurrent ownership of real property.	Active
			3	Analyze and prepare standard industry contract forms necessary to accomplish various real estate transactions.	Active
			4	Understand and prepare various disclosures needed to complete standard real estate transactions in California.	Active
			6	Locate public records and other reference materials to determine chain of title and other related matters.	Active
			7	Review and analyze title reports and explain the effect of various recorded documents disclosed by the reports.	Active
	Real Estate Practice	RE 191	1	Describe the methods for listing and selling a specific property which will include working with the seller and buyer to meet their needs.	Active
			2	prepare a listing and/or purchase agreement, an offer and/or a counteroffer, and other forms (Seller's Net and Buyer's Cost	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	forms, sellers disclosure statement, agency forms, etc.)	Active
			3	describe legally mandated disclosures and to identify the principle parts of a residential lease.	Active
			4	evaluate the strengths and weaknesses of various loan programs and to demonstrate how to qualify a prospective buyer.	Active
			5	evaluate a property's value.	Active
			6	describe the function of escrow and title companies.	Active
	Real Estate Principles	RE 190	1	Describe how one may qualify to be a real estate agent and identify continuing education requirements.	Active
			2	Distinguish between the various methods of acquiring and transferring real property, describe the methods of holding title, identify the requirements of a valid deed, and evaluate how legal encumbrances (liens, easements, and encroachments) affect the use and value of real property.	Active
			3	Describe how a fiduciary relationship is created between a real estate agent and client, evaluate the responsibilities arising from that duty, identify the essential elements of a real estate contract, and determine which forms (listing agreement, purchase contract, disclosure, etc.) to use in a specific real estate transaction.	Active
			4	Formulate the best loan package and appraisal approach for various purchases.	Active
			6	Analyze the duties landlord/tenant owe each other.	Active
			7	Evaluate the consequences of failing to comply with state and federal fair housing, income tax, environmental, and subdivision laws.	Active
	Real Estate Property Management	RE 201	1	Apply commonly used terms in property management.	Active
			2	Complete the various forms used by landlords and tenants.	Active
			3	Describe the rights and duties of landlords and tenants and the role of the property manager.	Active
SLO (CTE - CD) - Child Development (CD)	Administration of Child Development Programs I	CD 137	1	Describe and apply the tools, knowledge, and techniques needed to organize, open, and operate a child development facility.	Active
			2	Identify and apply the knowledge and skills related to early childhood program management, pertinent regulations, and development of school policies and procedures.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Administration of Child Development Programs II	CD 138	1	Evaluate the role of human relationships with regard to the fiscal, political, and working conditions in an early childhood education and care program.	Active
			2	Analyze and apply how human relationships affect staff turnover and morale, family support, and personal growth and development in a professional early childhood setting.	Active
	Adult Supervision	CD 136	1	Identify the skills and attitudes needed to establish and maintain supportive working relationships with adults in early childhood settings.	Active
			2	Demonstrate positive communication strategies, including evaluation, team building, collaboration, and effective problem solving.	Active
	Art for Child Development	CD 126	1	Explore, discuss, and evaluate teacher resources, innovative approaches and interaction skills which enhance children's exploration of creative art media and apply to specific children and environments.	Active
			2	Present and document an art experience to an inclusive group of young children, based on children's abilities, needs and interests, and the California Preschool Learning Foundations.	Active
	Changing American Family	CD 115	1	Discuss and analyze the issues and life events that have a major impact on contemporary American families.	Active
			2	Describe current research and predict future trends in the area of family life.	Active
	Child Growth and Development	CD 125	1	Identify major developmental milestones for children from conception through adolescence in the areas of physical, psychosocial, cognitive, and language.	Active
			2	Describe how family, cultural, economic, political, historical contexts affect children's development.	Active
			3	Integrate and apply current theory and research to the observation, documentation and unbiased analysis of a preschool child's behavior.	Active
	Child, Family and Community	CD 131	1	Describe how children develop within an ecological system and are influenced by numerous factors of socialization including family, school, peers, media and community.	Active
			2	Analyze family dynamics as influenced by diverse family structures, parenting styles, culture, socioeconomic factors, change and transitions.	Active
			3	Identify and evaluate community support services, resources	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	and agencies for children and families in order to respond to family needs.	Active
	Cooperative Games	ES 270	1	Define “cooperative activity”.	Active
			2	Compare the benefits of cooperative games to those of competitive games.	Active
			3	List the benefits of physical activity for children.	Active
			4	Demonstrate and lead an hour of cooperative activity for children.	Active
	Curriculum: Design and Implementation	CD 130	1	Examine and evaluate a variety of approaches to curriculum development with an emphasis on play-based curriculum that supports children’s cognitive, language, creative, physical and social-emotional development.	Active
			2	Analyze the role of the teacher in the development of observation strategies, documentation and planning techniques that reflect best practices and place a high value on play as a generator for curriculum.	Active
	Field Experience with Infants and Toddlers	CD 170	1	Apply current research and theory to routines, caregiving practices, and curriculum for infants and toddlers that are based on respectful relationships and needs of diverse children and families.	Active
			2	Critically assess one’s own teaching performance to guide and inform practice appropriate for caregivers of infants and toddlers	Active
			3	Design environments and curriculum and communicate with families about their infant or toddler’s development using the results of assessment tools.	Active
	Health, Safety and Nutrition of Young Children	CD 134	1	Develop strategies for implementing optimal practices for health, safety and nutrition in early childhood settings.	Active
			2	Identify and apply the laws, practices, and create curriculum regarding physical and mental health, safety, fitness and nutrition for young children, including children with special needs.	Active
	Infant and Toddler Development	CD 124	1	Observe, identify, and document the developmental milestones in infants and toddlers.	Active
			2	Compare and contrast the theories and philosophies of infant-toddler development	Active
			3	Describe the diverse needs of infants and toddlers, including	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	linguistic, cultural, socioeconomic and special needs.	Active
	Introduction to Music	MUS 118	1	Correctly interpret musical notation	Active
			2	Perform simple songs using voice, keyboard, or recorder	Active
	Language and Literature for Child Development	CD 129	1	Develop and implement developmentally appropriate literature-based curriculum for young children, including presenting activities to inclusive groups of children.	Active
			2	Describe the stages related to language and literacy development in young children birth to age 8.	Active
			3	Compare and evaluate a variety of materials and methods, including those that are inclusive, non-sexist, anti-bias, and multicultural, which provide developmentally appropriate early literacy skills	Active
	Music and Movement for Child Development	CD 128	1	Design a music and movement program that is developmentally appropriate for young children, including children with special needs.	Active
			2	Identify and demonstrate techniques for quality music and movement experiences in an inclusive early childhood education program.	Active
			3	Select, develop, present, and evaluate quality music and movement activity plans appropriate for young children, with modifications for young children with special needs.	Active
	Observation and Assessment: Field Experience Seminar	CD 132	1	Articulate and demonstrate skills in observation formats and techniques, authentic assessment, and portfolio development for children.	Active
			2	Discuss and model positive communication and guidance skills for working with children and families.	Active
	Parent Education	CD 101	1	Describe the developmental stages and needs of young children.	Active
			2	Apply the principles and strategies of good discipline and guidance to specific interactions with young children.	Active
	Parent Education II	CD 116	1	Identify and analyze one's own parenting style and practices.	Active
			2	Apply course content on temperament and learning intelligences to one's own parenting styles and practices.	Active
	Physical Education in	ES 253	2	Develop age-appropriate physical education programs for	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Elementary Schools	ES 253	2	students at the elementary school level.	Active
			3	Critique existing elementary school physical education curricula for addressing childhood obesity.	Active
	Practicum - Field Experience: Student Teaching	CD 133	1	Plan, organize, present, supervise, and evaluate the room set up, curriculum, and scheduled activities in an early childhood classroom.	Active
			2	Demonstrate appropriate guidance for the children and overall supervision for an early childhood classroom.	Active
			3	Complete a thoughtful self-evaluation and reflection of performance in the work place setting.	Active
	Practicum: Beginning Observation and Experience	CD 106	1	Identify, describe and appropriately apply the different kinds of observation formats and practices.	Active
			2	Demonstrate professional behaviors and practices in interactions with children and staff in the Child Development Center.	Active
	Principles & Practices of Programs & Curriculum for Young Children	CD 123	1	Assess early childhood settings, curriculum, and teaching strategies utilizing indicators of quality early childhood practice that support all children including those with diverse characteristics and their families.	Active
			2	Describe the value of play as a vehicle for developing skills, knowledge, dispositions, and strengthening relationships among young children and the skills for planning a play-based curriculum.	Active
			3	Apply a variety of guidance and interaction strategies to increase children's social competence and promote a caring classroom community.	Active
	Responsive Planning for Infant/Toddler Care	CD 143	1	Describe and analyze programs, philosophies and components of high quality group care for infants and toddlers.	Active
			2	Plan appropriate environments, experiences, and caregiving routines based on respectful relationships and needs of diverse children and families.	Active
	Science and Mathematics for Child Development	CD 127	1	Analyze, apply, and evaluate methods and materials that facilitate children's problem-solving skills and strategies in math and science.	Active
			2	Discuss importance and value of science and mathematics in programs for young children.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	Construct and present appropriate math and science experiences for young children, including children with special needs.	Active
	Teaching in a Diverse Society	CD 153	1	Describe the process of cultural identity development in children	Active
			2	Analyze the significant role of education in reinforcing or contradicting bias and prejudice	Active
			3	Design curriculum that is linguistically and culturally relevant, inclusive, and developmentally appropriate	Active
			4	Evaluate the impact of personal experiences and social identity on teaching effectiveness	Active
	Working with Children with Special Needs	CD 141	1	Describe the role of attitude and “a child is a child first” philosophy in inclusive practices.	Active
			2	Identify the characteristics and the classifications of disabilities and related community resources.	Active
			3	Design environmental and curriculum modifications to accommodate individual children with special needs.	Active
			4	Analyze the role of the teacher and strategize effective techniques for the successful inclusion of young children with special needs in a variety of educational settings.	Active
	Working with Young Children with Challenging Behaviors	CD 210	1	Apply specific behavior management strategies to evaluating the behavior of individual children and developing behavior plans for modifying environment and guidance techniques.	Active
			2	Access community resources supportive of young children with behavior challenges and their families.	Active
SLO (CTE - CD) - Education (ED)	Advanced Composition: Critical Reasoning and Writing	ENGL 124	1	Utilize the writing process, including pre-writing, writing, revision, and proofreading to produce complex, high quality work.	Active
			2	Evaluate the validity and soundness of arguments and the evidence within them.	Active
			3	Synthesize the ideas of two or more writers to create a broader understanding of an issue or topic.	Active
			4	Utilize critical reading strategies so as to successfully pull meaning from complex texts and texts structured in non-academic formats.	Active
	American Sign Language	ASL 220	1a - Language	Recognize an increasingly complex signed statement or	Active

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	III	ASL 220	Acquisition	question. (receptive skills)	Active
			1b - Language Acquisition	Translate and perform a 8-10 minute increasingly complex story in ASL (expressive sills)	Active
			2a - Deaf Community and Culture	Analyze and report on current events in the Deaf community	Active
			2b - Deaf Community and Culture	Research and report on a notable Deaf person in Arts and Entertainment or a notable event in Deaf history.	Active
			3 - Technology	Research and report on the future of medical technology and its impact on the Deaf community (e.g., gene selection, stem cell therapy).	Active
	American Sign Language IV	ASL 221	1a - Language Acquisition	Recognize a complex signed statement or question. (receptive skills)	Active
			1b - Language Acquisition	Translate and perform a 8-10 minute complex story in ASL (expressive sills)	Active
			2a - Deaf Community and Culture	Analyze various aspects of Deaf community patterns of work and leisure	Active
			2b - Deaf Community and Culture	Research and report on a significant historical contribution to the world by a Deaf person.	Active
			3a - Technology	Evaluate the impact of various technology on Deaf peoples' lives and the community over time.	Active
			3b - Technology	Analyze the importance of Deaf community produced entertainment (examples: television, film, theater, music, art)	Active
	Arabic II	ARBC 121	1	Demonstrate understanding and use of the past tense in reading, writing, speaking & listening activities.	Active
			2 (formally 6)	Compare & contrast theme-specific aspects of Arabic culture to their own (formally) Compare and contrast Arabic culture and Western culture.	Active
	Arabic III	ARBC 220	1	Demonstrate understanding and use of the present, past, and future tenses in reading, writing, speaking & listening activities.	Active
			2	Compare & contrast theme-specific aspects of Arabic culture to their own.	Active
	Argumentation	COMM 145	1	Identify and classify claims.	Active
			2	Apply the basic elements of critical thinking to evaluating an argument in both written and oral communication.	Active
			3	Formulate an argument using research and evidence.	Active
	Art Appreciation	ART 100	SLO 1	Use art vocabulary to identify and analyze the formal and	Active

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	Art Appreciation	ART 100	SLO 1	aesthetic components in works of art or the processes by which they are made	Active
			SLO 2	Identify artistic qualities, major works, and significant individuals in art from various historical periods	Active
			SLO 3	Identify the diverse, social, political, economic, or cultural perspectives that affect art	Active
	Child Growth and Development	CD 125	1	Identify major developmental milestones for children from conception through adolescence in the areas of physical, psychosocial, cognitive, and language.	Active
			2	Describe how family, cultural, economic, political, historical contexts affect children's development.	Active
			3	Integrate and apply current theory and research to the observation, documentation and unbiased analysis of a preschool child's behavior.	Active
	College Composition and Reading	ENGL 120	1	Use active/critical reading strategies to produce accurate, concise summaries of college level/academic texts.	Active
			2	Synthesize researched material from multiple texts to create and support an argument in response to a prompt. Draw direct evidence from texts in support of claims and analyze how that evidence supports the claim.	Active
			3	Utilize the various phases in the writing process – prewriting, writing revision, and proofreading -- to produce clear, articulate, well-supported, well-organized essays.	Active
			4	Avoid plagiarism by properly citing quoted, summarized, and paraphrased material using MLA format.	Active
	Critical Thinking	PHIL 125	1	Distinguish correct from fallacious forms of reasoning.	Active
	Critical Thinking in Group Communication	COMM 137	1	Organize a group discussion	Active
			2	Demonstrate successful conflict-management strategies.	Active
			3	Identify and apply the principles of small group discussion (e.g. group roles, decision-making, leadership).	Active
	Early American History	HIST 108	1	Identify, recall, and evaluate major themes, events, cultures, ideologies, religions, and figures in early American history.	Active
			2	Recognize and evaluate connections between the course of early American history and geographical and climatic factors and identify locations of historical significance, regional	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	differences, and changes in historical geography.	Active
			3	Evaluate, recognize, and interpret primary sources, art, and literature in historical context, and interpret early American history through analytical categories of race, class, gender, and ethnicity.	Active
			4	Identify, recognize, and interpret the development of the United States and California constitutions, federal, state, and local governments, and the rights and responsibilities of citizens in an historical context.	Active
	Early World History	HIST 100	1	Identify, recall, and evaluate major themes, events, cultures, ideologies, religions, and figures in early world history	Active
			2	Recognize and evaluate connections between the courses of history and geographical and climatic factors and identify locations of historical significance, regional differences, and changes in early world historical geography	Active
			3	Evaluate, recognize, and interpret primary sources, secondary sources, art, literature in historical context and interpret early world history through analytical categories of race, class, gender and ethnicity.	Active
	Earth Science	GEOL 104	1	Utilize the principles of physical science to analyze Earth's major physical systems.	Active
			10	Analyze the elements of heat, light and seawater chemistry to explain the dynamic components of the world's oceans.	Active
			11	Describe the formation of waves, tides and currents and explain how these motions influence the exchange of heat and energy within and between the world's oceans and their effects on the atmosphere and continental margins.	Active
			12	Describe the Earth's internal structure and model the flow of heat and energy from the core to the surface.	Active
			13	Describe how minerals and rocks form, and classify rock and mineral types based on their physical properties.	Active
			14	Describe the elements, controls and spatial patterns of plate	Active

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			14	tectonics and explain the resulting seismic and volcanic processes and patterns seen at Earth's surface.	Active
			15	Analyze and interpret geologic and geomorphic phenomena within the context of geologic time.	Active
			16	Describe the role of weathering, erosion and mass wasting on superficial processes, and evaluate their relative influences in the development of Earth's major landforms.	Active
			17	Assess the role of landscape scale disturbance in the development and stability of Earth's environmental processes, and analyze the resulting influences on historical and modern climate change.	Active
			2	Outline and apply the scientific method to real world phenomena.	Active
			3	Analyze and interpret geospatial data on maps, tables and graphs.	Active
			4	Describe the origin and age of the Universe and explain the resulting formation of the solar system and its major components and controls.	Active
			5	Describe the relative motions of the Sun, Moon, planets and stars and explain the resulting physical phenomena of seasonal change, moon phases and eclipses.	Active
			6	Utilize latitude and longitude to calculate time, noon sun angles, and relative location on Earth.	Active
			7	Identify the elements, controls, and spatial patterns of the oceans and atmosphere in order to predict daily and seasonal changes in the weather.	Active
			8	Describe the influence of continents and oceans in determining air mass characteristics, storm genesis and decay, and jet stream dynamics.	Active
			9	Differentiate between weather related processes and resulting long-term climate patterns.	Active

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	Effective Tutoring Strategies	ED 151	1	Discuss effective learner-centered and process-oriented tutoring strategies and practices.	Active
			2	Identify and demonstrate knowledge of basic study skills, the tutoring cycle, learning styles, learning disabilities, behaviors and stresses that affect learning, communication skills, and diversity/cultural awareness.	Active
	French II	FREN 121	1	Demonstrate understanding and use of the two past tenses of reading, writing, speaking and listening activities.	Active
			2	Compare and contrast theme- specific aspects of French culture to their own.	Active
	General Biology I	BIO 130	1	Outline the methods and activities of scientific inquiry used to solve problems in biology and identify limitations to the types of questions that can be answered scientifically.	Active
			10	Construct a model that represents the chemical composition and architecture of a cell membrane and predict the flow of molecules across the membrane based on osmolarity on opposite sides of the membrane.	Active
			11	Explain how enzymes allow anabolic and catabolic metabolism in a cell to operate in terms of the cell's energy flow.	Active
			12	Describe the processes of photosynthesis, glucose oxidation, and fermentation in terms of their energy flow and conversion properties, and their interrelationships.	Active
			13	Compare and contrast the functions and mechanisms of mitosis and meiosis in a diploid organism's life cycle.	Active
			14	Solve problems that require calculation of the probability of the inheritance of a particular genetic allele for Mendelian and non-Mendelian scenarios.	Active
			15	Appraise the evidence for evolution and illustrate the key concepts using an example.	Active
			16	Apply the knowledge gained in the course to assess contemporary problems/situations in biology.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Distinguish among statements that describe a hypothesis, a theory or natural law.	Active
			3	Determine whether an entity is living based upon a description of its properties.	Active
			4	Classify an organism into the appropriate domain and kingdom based upon its characteristics; justify the reasons for placing it there.	Active
			5	Explain how the various components of matter can be organized into biological molecules.	Active
			6	Compare and contrast the structures, roles and interrelationships of biological molecules including nucleic acids, proteins, carbohydrates and lipids.	Active
			7	Given a molecule of DNA with a specific nucleotide sequence, demonstrate how to create the complementary strands of the double helix, transcribe one of the strands into mRNA, and translate into a peptide.	Active
			8	Describe the relationship between structure and function in proteins and the implications of changes in structure on the operation of a cell.	Active
			9	Construct a model of a prokaryotic and eukaryotic cell that includes the various sub-cellular structures and describes their inter-relationships and possible origins; contrast this model with that of a typical virus.	Active
	General Biology I Laboratory	BIO 131	1	Perform the basic activities of scientific inquiry, including presentation of data in the form of tables, charts and graphs, design of experiments, collection of data, and critical analysis of data.	Active
			10	Solve problems in genetics based on Mendelian and non-mendelian models of inheritance	Active
			11	Describe the relationship between classical genetics and modern molecular genetics, and the significance of molecular genetics in the modern world	Active
			12	Understand the structure and functional relationships of plants with other biotic and abiotic factors in ecosystems	Active

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			13	Study the structure and function of the major organs and organ systems in a representative mammal and compare and contrast to those of humans.	Active
			14	Understand the basis of the classification of the animal kingdom as well as recognize members of the different animal phyla	Active
			2	Use both compound and stereo microscopes to study cells and organisms.	Active
			3	Describe the relationship between respiration and photosynthesis, producers and consumers and the role of each of these in ecosystems.	Active
			4	Relate membrane transport examples to real world situations	Active
			5	Test for the presence of carbohydrates, lipids, proteins and nucleic acids, recognize the relationships between the testing methods and the chemical properties of these compounds, and the significance of these molecules in living organisms.	Active
			6	Measure the rate of enzyme catalyzed reactions under different conditions, and explain the significance to living systems.	Active
			7	Recognize the roles of light, CO2 and pigments in photosynthesis and to measure the rate of photosynthesis under different conditions	Active
			8	Compare human-controlled oxidation to glucose oxidation in respiration and to measure the rate of respiration under different conditions	Active
			9	Compare the role of mitosis to meiosis in cellular division and to recognize the different phases of these processes	Active
	Health Education for Teachers	HED 105	1	Analyze risk and preventive factors for health problems that affect youth in the United States.	Active
			2	Discuss and design appropriate grade-level curriculum that will effectively influence youth to embrace healthy lifestyle choices.	Active
			3	Evaluate community resources, programs, services and networks and explain how they are used to assist in health promotion with students and their families.	Active
			4	Discuss the legal issues of health education in the public schools in California such as the operation of free clinics in schools, parent reporting laws, etc.	Active
			5	Analyze social and cultural influences that can impact health and lifestyle choices.	Active
			6	Compare and contrast the effects of optimal health and poor health on student learning and academic performance.	Active
	Interpersonal	COMM 120	1	Describe the nature of communication including a specific	Active

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	Communication	COMM 120	1	definition of interpersonal communication.	Active
			2	Identify, explain and analyze the psychological, social, cultural and linguistic factors which affect the interpersonal communication of humans.	Active
			3	Describe and apply specific skills to the following areas of the human communication process: perception, empathy, listening, and conflict management.	Active
			4	Assess conflict in interpersonal relationships and apply appropriate conflict management skills including adapting to listener needs and demonstrating effective rhetorical strategies for creating interpersonal messages.	Active
	Introduction to Literature	ENGL 122	1	Identify the different literary genres and their respective properties	Active
			SLO 2	Identify major literary themes in prose, poetry and plays.	Active
			SLO 3	Identify literal, symbolic and inferred meaning supported by information in prose, poetry and plays written in a minimum of three centuries (two of which must be before the 20th century) and from a minimum of three continents.	Active
			SLO 4	Write an organized, coherent, developed, and largely error-free critical (analytical) and/or appreciative essay which properly cites sources per MLA methodology, in reaction to the literary work.	Active
	Introduction to Music	MUS 118	1	Correctly interpret musical notation	Active
			2	Perform simple songs using voice, keyboard, or recorder	Active
	Introductory Psychology	PSY 120	1	Apply scientific methods to the ethical exploration of human behavior through analysis of environment, behavioral and physiological conditions	Active
			2	Describe the different schools of psychology and analyze their perspectives on consciousness, intelligence, learning and possible identification and treatment of psychological disorders	Active
			3	Identify characteristics associated with individual development through childhood and their possible influences in adult behavior and possible links to adult behavior and personality	Active
			4	Analyze the implications of how the social world influences the motivation and emotions of cultures, groups and the resulting behavior of an individual	Active
	Logic	PHIL 130	1	Identify and differentiate between inductive and deductive reasoning.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Logic	PHIL 130	1		Active
			2	Identify and explain fallacious reasoning in both inductive and deductive arguments.	Active
			3	Formalize ordinary language propositions and arguments into symbolic terms.	Active
			4	Use the rules of deduction to prove the invalidity of various arguments.	Active
			5	Use natural deduction to establish the validity of propositional type arguments.	Active
	Modern American History	HIST 109	1	Identify, recall, and evaluate major themes, events, cultures, ideologies, religions, and figures in modern American history.	Active
			2	Recognize and evaluate connections between the course of modern American history and geographical and climatic factors and identify locations of historical significance, regional differences, and changes in historical geography.	Active
			3	Evaluate, recognize, and interpret primary sources, art, and literature in historical context, and interpret modern American history through analytical categories of race, class, gender, and ethnicity.	Active
			4	Identify, recognize, and interpret the development of the United States and California constitutions, federal, state, and local governments, and the rights and responsibilities of citizens in an historical context.	Active
	Physical Education in Elementary Schools	ES 253	2	Develop age-appropriate physical education programs for students at the elementary school level.	Active
			3	Critique existing elementary school physical education curricula for addressing childhood obesity.	Active
	Problems in Ethics	PHIL 140	1	Identify and describe major ethical systems in the history of philosophy such as virtue ethics, utilitarianism, deontology, egoism, nihilism, relativism, objectivism, care ethics, etc.	Active
			2	Compare and contrast various ethical systems regarding their strengths and weaknesses.	Active
			3	Apply various ethical principles studied in class to current moral	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	issues.	Active
	Public Speaking	COMM 122	1	Analyze their communication situation, including audience, occasion, purpose; and selection of subject matter.	Active
			2	Research, write and deliver an effective public speech.	Active
			3	Demonstrate that they are careful and critical thinkers and communicators, both as speakers and as listeners.	Active
	Spanish II	SPAN 121	1	Demonstrate understanding and use of the preterit and imperfect past tenses to reading, writing, speaking and listening activities.	Active
			2	Compare & contrast theme-specific aspects of Hispanic/Latino culture to their own.	Active
	Spanish III	SPAN 220	1	Demonstrate understanding and use of the indicative, imperative and subjunctive moods to reading, writing, speaking and listening activities.	Active
			2	Compare & contrast theme-specific aspects of Hispanic/Latino culture to their own.	Active
	Teaching as a Profession	ED 200	1	Describe, discuss, and apply specific California standards for the teaching profession and for teaching performance, to observed classroom teachers and to oneself.	Active
			2	Evaluate elementary classroom environments and groups of children with regard to student learning, including effective planning for individual and cultural diversity.	Active
	World Literature II	ENGL 271	1	Identify cultural standards, themes, and literary forms of major works from around the world post 1650 AD	Active
			2	Connect the works in question to biographical, historical, social and philosophical perspectives of the author, time period, and location.	Active
			3	Correctly utilize literary terms and ideas in writing critical analysis essays that state a thesis and support it with information from the text and outside sources, using MLA format.	Active
	World Regional Geography	GEOG 106	1	Utilize defining cultural and environmental criteria such as language, religion, ethnicity, politics, economics, natural resources and climate to delineate the world's major geographic regions.	Active

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	World Regional Geography	GEOG 106	1		Active
			2	Identify key cultural traits and explain how these traits help to shape a given geographic region.	Active
			3	Compare and contrast regional similarities and differences in order to identify unique and shared cultural patterns among the world's major geographic regions.	Active
			4	Utilize maps, tables and graphs to analyze and interpret geo-spatial relationships within and between the world's major geographic regions.	Active
			5	Recognize the factors that lead to cultural change and diffusion and explain how such changes affect regional geographic identity.	Active
			6	Identify cultural influences that both enhance and threaten global cultural diversity, and explain how these influences have contributed to shaping the major geographic regions of our modern world.	Active
			7	Compare and contrast regional patterns of patriarchy and matriarchy and explain how these patterns have influenced the economic, social and political development of the world's major geographic regions.	Active
			8	Evaluate regional and global patterns of economic, social and political development in order to assess relative measures of well being within and between the world's major geographic regions.	Active
			9	Identify environmental, political and socioeconomic threats to regional stability and prosperity and assess the impacts of such threats on world political and economic order.	Active
	World Religions	RELG 120	1	Identify and explain the essential characteristics of the respective religions.	Active
			2	Correctly apply and explain the philosophical concepts and language that are typically employed to discuss comparative religion.	Active
			3	Compare and contrast the worldviews espoused by the various religious traditions.	Active

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SLO (CTE - CIS-GD) - Computer Information Systems (CIS)	Advanced Web Development	CIS 213	1	Create a responsive website that meets 80% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Certified Ethical Hacking	CIS 264	1	Describe the legal and regulatory requirements for ethical hacking and prepare documentation to reflect this skill and prepare the necessary documentation for authorization, performance, results and recommendations based on penetration testing.	Active
			2	Compare and contrast different penetration testing methodologies and describe the correct circumstance to apply those methodologies.	Active
			3	Perform system scan and reconnaissance to determine vulnerabilities, then create a report showing vulnerabilities and recommendations for rectifying the cited weaknesses.	Active
			4	Demonstrate social engineering techniques to discover system vulnerabilities.	Active
	Cisco Networking Academy I Exploration	CIS 201	1	Build, configure, manage, and, troubleshoot a small local area network topology consisting of Cisco routers, Cisco switches, and PCs with multiple broadcast and collision domains and basic network security techniques applied using the following network protocols: IPv4, IPv6, SSH, FTP, and TFTP.	Active
	Cisco Networking Academy II	CIS 202	1	Build, configure, and, troubleshoot a small local area network topology consisting of Cisco routers, Cisco switches, and PCs with multiple broadcast and collision domains and basic network security techniques applied using the following network protocols: VTP, IEEE802.1q, RIP(versions 1, 2, and ng), single-area OSPF, NAT, DHCP, IPv4, and IPv6.	Active
	Cisco Networking Academy III	CIS 203	1	Build, configure, and troubleshoot a small local area network topology consisting of Cisco routers, Cisco switches, wireless routers, and workstations with multiple broadcast and collision domains and basic network security techniques. Manage the Cisco operating system and configuration files. Configure routers and switches using the following network protocols: STP, VTP, PAgP, LACP, IEEE802.1q, RIP (v1, v2, and ng), single-area and multi-area OSPF, EIGRP, NAT, DHCP, IPv4, and IPv6	Active
	Cisco Networking Academy IV	CIS 204	1	Build a basic LAN/WAN topology consisting of Cisco routers, Cisco switches and workstations. Configure a multiple router WAN topology by creating connections using GRE Tunnels, Frame Relay, PPPoE, NAT, and PAT. Manage and monitor network operations by configuring NTP, Syslog, SNMP, and NetFlow.	Active
	Cisco Networking	CIS 209	SLO 1	Successfully configure a defense-in-depth instructor-defined	Active

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	Academy IX	CIS 209	SLO 1	secure router/switch/ASA-based network scenario by configuring the following Security features as prescribed in the scenario: secure Router, Switch, and ASA Administrative Access; Zone-Based Policy Firewall and Intrusion Prevention System on routers; Layer-2 Switch security; ASA Firewall, and an SSL VPN,	Active	
	Cisco Networking Academy V	CIS 205	SLO 1	Successfully configure an instructor-defined secure router-based network scenario using the following routing protocols: EIGRP, OSPF, BGP, IPv4, and IPv6.	Active	
	Cisco Networking Academy VII	CIS 207	SLO 1	Successfully configure an instructor-defined secure switch-based network scenario using the following switching technologies: HSRP, SNMPv3, VTPv2, LACP, PAGP, AAA, NTP, STP, and inter-VLAN routing	Active	
	Cisco Networking Academy VIII	CIS 208	SLO 1	Successfully troubleshoot and repair a complex router and switch network instructor-defined scenario consisting of multiple problems using structured troubleshooting procedures.	Active	
	CISCO Networking Academy-Voice	CIS 210	1	Given a VoIP conversion requirement, students will be able to define the requirements, design and implement a basic VoIP network topology.	Active	
			2	Given a VoIP conversion requirement, students will be able to install and configure the basic network components needed to operate a VoIP topology.	Active	
			3	Given a VoIP conversion requirement, students will be able to install and configure Cisco Unified Communications Manager Express.	Active	
			4	Given a VoIP conversion requirement, students will be able to install and configure Cisco Unified Communications Manager.	Active	
			CIS 299/210	1	Define the requirements, design and implement a basic VoIP network topology.	Active
				2	Install and configure the basic network components needed to operate a VoIP topology.	Active
				3	Install and configure Cisco Unified Communications Manager Express.	Active
				4	Install and configure Cisco Unified Communications Manager.	Active
	Computer Forensics Fundamentals	CIS 265	1	Describe different types of digital evidence, rules of evidence, digital evidence examination processes, and electronic crime and digital evidence consideration by crime category, the roles of a first responder, first responder toolkit, securing and evaluating an electronic crime scene conducting preliminary interviews, documenting electronic crime scenes, collecting and preserving electronic evidence, packaging and transporting	Active	

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	Computer Forensics Fundamentals	CIS 265	1	electronic evidence and reporting the crime scene	Active
			2	Demonstrate the ability to utilize forensic procedures such as: how to recover deleted files and ,mdeleted partitions in Windows, Mac OS X, and Linux; the process involved in forensic investigation using Access Data FTK and Encase Steganography and its techniques, as well as Steganalysis, and image file forensics; password cracking concepts, tools, types of password attacks and how to investigate password protected file breaches; different types of log capturing techniques, log management, time synchronization and log capturing tools; how to investigate logs, network traffic, wireless attacks, and web attacks; how to track e-mails and investigate e-mail crimes.	Active
	Computer Maintenance and A+ Certification	CIS 120	SLO 1	Complete a comprehensive project including hands-on/simulated installation, upgrade, troubleshooting, and maintenance of computer hardware and operating systems (>6 elements) that meets 70% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Convergent/Unified Technologies and Degree Capstone	CIS 261	SLO1	Design, build, implement and test a computer network encompassing some or all of the following: client computers, servers, routers, switches, wireless access points, security, voice over Internet protocol (VoIP), and other technologies defined in the project requirements.	Active
	Databases	CIS 140	1	Apply database terminology.	Active
			2	Develop a database following common design principles including normalization, appropriate primary and foreign keys in table relationships, lookup fields, input masks, and data validation rules.	Active
			3	Modify table design including field types and sizes to change the structure of a database.	Active
			4	Modify and insert table data.	Active
			5	Create, run and save queries including calculated fields with mathematical and logical operators and action queries.	Active
			6	Design, run and save reports based on tables or queries.	Active
			7	Design and save database forms based on tables or queries.	Active

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			8	Create database program flow and control using Macros and VBA.	Active
			9	Utilize database systems for filing, updating and retrieving data.	Active
	Directed Work Experience in CIS	CIS 267	1	Demonstrate technical skills while working in a professional computer industry setting.	Active
			2	Observe and evaluate interpersonal relationships in a career setting.	Active
			3	Perform the defined duties expected of an employee at the placement level assigned.	Active
			4	Apply skills acquired through course work to tasks assigned by the placement activity.	Active
	Flash Web Animation	GD 222	1	Understand Demonstrate knowledge of industry standard animation terms, .concepts and procedures.	Active
			2	Demonstrate proficiency in creating animation projects.	Active
			3	Demonstrate proficiency in using industry standard software and understanding capabilities.	Active
	Fundamentals of Network Security	CIS 263	1	Define network security, network topologies, security threat trends, goals of network security, and factors in a comprehensive secure network strategy.	Active
			2	Describe in detail authentication with strong passwords, Kerberos, CHAP digital certificates, tokens and biometrics.	Active
			3	Describe in detail various forms of computer attacks, major types of malicious software, consequences and types of social-engineering and at least one countermeasure for each.	Active
			4	Illustrate the security implications, vulnerabilities, and common exploits associated with remote access and telecommuting technologies, scripting software, web applications, web-hosted applications, file and print sharing services.	Active
			5	Configure server, client and network security software, protocols, encryption, remote access technologies, authentication and authorization services, intrusion detection services, and equipment.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5		Active
			6	Conduct a security assessment. Define, document and develop a plan that addresses the security requirements for the organization, security policies, security topology, risk management, identified vulnerabilities, auditing requirements, and penetration testing.	Active
	Fundamentals of Telecommunications	CIS 161	1	Use telecommunications signaling, transmission and modulation techniques to design, develop, construct, test and troubleshoot actual working projects.	Active
			2	Research, identify and compare/contrast key technical inventions, historical governmental intervention and policies, and industry trends that have shaped the evolution of telecommunications.	Active
			3	Use basic electrical and electronic concepts, components and circuits to complete electrical and telecommunications lab assignments.	Active
			4	Demonstrate installation, operation, repair and testing of complete key telephone systems and convergent (voice/data/video) telecommunications and wireless networks.	Active
			5	Apply electrical circuits, analog and digital electronics, communications and principles of telecommunications systems to solve typical telecommunications and convergent networking problems such as inoperative or low performing voice, video and data networks.	Active
	Intermediate C++ Programming & Fundamental Data Structures	CS 281	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Intermediate Java Programming & Fundamental Data Structures	CS 282	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Introduction to Basic Electronics	ET 110	1	Critique the historical development in the field of electricity/electronics, evaluate career opportunities in the field of electronics and comprehend basic electrical safety principles and practices	Active
			2	Distinguish the difference in physical and operating characteristics, and explain how the various electronics components are used in their applications	Active
			3	Describe basic atomic structure and explain its role in electrical and electronic systems	Active
			4	Describe the difference and evaluate the characteristics between resistance, current and voltage in a circuit, and differentiate between direct and alternating current	Active
			5	Calculate total and branch circuits resistance in series, parallel and series parallel circuits	Active
	Introduction to C++ Programming	CS 181	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Introduction to Java Programming	CS 182	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Introduction to Web Programming	CIS 218	1	Integrate PHP, HTML, and CSS to create a dynamic web application that meets 70% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	JavaScript Web Programming	CIS 215	1	Integrate JavaScript/JQuery with HTML and CSS to create a site that meets 80% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Linux Operating System	CIS 191	SLO 1	Install, deploy, configure and manage a Linux client/server project using current industry software and standards	Active
	Linux System	CIS 291	1	Install, deploy, configure and manage a datacenter	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Administration	CIS 291	1	virtualization project using current industry software and standards.	Active
	Network Cabling Systems	CIS 121	1	Complete a comprehensive project including a response to a Request for Proposal and hands-on/simulated installation, troubleshooting, and maintenance of a cabling system (>6 elements) that meets 70% of the technical, organizational, design, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Network+ Certification	CIS 125	SLO 1	Complete a comprehensive project including hands-on/simulated installation, upgrade, troubleshooting, and maintenance of a computer network (>6 elements) that meets 70% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Photoshop Digital Imaging	GD 126	SLO 1	Define terms and concepts related to the digital imaging environment.	Active
			SLO 2	Edit, manipulate, enhance and compose digital images in accordance with industry standard digital image standards for print and screen applications.	Active
			SLO 3	Demonstrate an understanding of and apply visual communication and expression in graphic arts.	Active
	PHP/MySQL Dynamic Web-Based Applications	CIS 219	1	Integrate PHP, HTML, CSS, and SQL to create a dynamic web application that meets 70% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Principles of Information Systems	CIS 110	1	Describe and discuss the components and functions of computer systems, including both hardware and software.	Active
			2	Analyze business problems using modern productivity tools.	Active
			3	Analyze information system requirements and propose feasible alternatives for IT solutions.	Active
			4	Describe and discuss the system-development life-cycle.	Active
	Professional Business Practices	GD 130	1	Analyze and estimate the cost of facilities and equipment for a successful work environment.	Active
			2	Describe and prepare professional contracts, proposals, invoices, estimates and other necessary forms.	Active
			3	Recognize and apply time management strategies necessary in the business world.	Active
			4	Prepare a professional resume and perform effectively in mock	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4	client and job interviews.	Active
	Professional Digital Photography I	GD 210	1	Select digital photographic equipment based on needs, camera attributes and cost.	Active
			2	Define/explain common digital photography terms and concepts.	Active
			3	Demonstrate use of digital camera settings for optimum results.	Active
			4	Light, compose and expose to create high-quality photographs.	Active
			5	Use Adobe Photoshop to retouch and manipulate digital images.	Active
			6	Use Adobe Photoshop to apply contrast and color adjustments to improve digital photographs.	Active
			7	Optimize digital images for the best possible output.	Active
			8	Establish an efficient digital workflow.	Active
	Program Design and Development	CS 119	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Program Design and Development Lab	CS 119L	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Technical Diagramming Using Microsoft Visio	CIS 162	SLO 1	Create a comprehensive project including submissions from Microsoft Visio (>6 pages) that meets 70% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	VMWare Certified Professional	CIS 295	1	Install, deploy, configure and manage a datacenter virtualization project using current industry software and standards.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Web Graphics	GD 217	1	Describe technical issues related to web graphics.	Active
			2	Define terms and explain concepts and principles significant to web graphics design and delivery.	Active
			3	Create compressed graphics in several web formats.	Active
			4	Create animated images.	Active
			5	Synthesize web graphics design principles and production skills to create attractive and readable web design elements such as rollover buttons, titles and photos.	Active
			6	Synthesize web graphics design principles and production skills to create an attractive and usable website interface.	Active
	Web Markup Languages	CIS 211	1	Create a small website (>5 pages) that meets 80% of the technical, organizational, structural, and presentation requirements outlined in a detailed scoring rubric based on the course content and objectives.	Active
	Windows Operating System	CIS 190	SLO 1 (2017)	Students will be able to given a computer troubleshooting or configuration scenario. Install, deploy, configure, repair, and manage a Windows client project using current industry software, hardware, and standards.	Active
	Windows Server-Active Directory	CIS 290	1	Install, deploy, configure and manage a Windows server project using current industry software and standards.	Active
	Windows Server-Applications Infrastructure	CIS 294	1	Configure a server for high-availability	Active
			2	Recover a server after a major disaster	Active
			3	Configure advanced networking, AD, and identity/access services	Active
	Windows Server-Network Infrastructure	CIS 293	1	Deploy a Windows server image	Active
			2	Configure and troubleshoot a DNS installation as part of domain controller promotion	Active
			3	Configure and troubleshoot advanced AD and GPO implementations/configurations.	Active
	Wireless Networking	CIS 262	SLO 1	Successfully build and configure an instructor-defined secure WLAN scenario by implementing an 802.11 standards-based secure network solution using a wireless controller, access points, router, switch, and wireless clients	Active
SLO (CTE - CIS-GD) - Computer Science (CS)	Intermediate C++ Programming & Fundamental Data Structures	CS 281	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Intermediate Java Programming & Fundamental Data Structures	CS 282	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Introduction to C++ Programming	CS 181	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Introduction to Java Programming	CS 182	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Program Design and Development	CS 119	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
	Program Design and Development Lab	CS 119L	1	Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools.	Active
			2	Properly code applications using the fundamental coding structures: sequence, selection, and loops.	Active
			3	Test and debug applications using debugging tools such as trace execution.	Active
SLO (CTE - CIS-GD) - Graphic Design (GD)	Digital Illustration	GD 225	1	Evaluate artistic composition and analyze the influence of technologies used to create the composition.	Active
			2	Using both raster and vector software and the design process of roughs, comps and final work, incorporate original digital	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	images, scans of hand drawings, and drawing technologies like tablets to create portfolio quality illustrations of various styles.	Active
			3	Describe and demonstrate legal and ethical behavior with regard to copyright.	Active
	Drawing I	ART 124	SLO 1	Create drawings that demonstrate and apply both the principles of design and the elements of art	Active
			SLO 2	Identify artistic qualities, major works, or significant individuals in art from various historical periods	Active
	Flash Web Animation	GD 222	1	Understand Demonstrate knowledge of industry standard animation terms, .concepts and procedures.	Active
			2	Demonstrate proficiency in creating animation projects.	Active
			3	Demonstrate proficiency in using industry standard software and understanding capabilities.	Active
	Fundamentals of Digital Media	GD 105	1	Apply industry standards and terminology for the design process, file integration, resources and production.	Active
			2	Synthesize and apply principles of design, best practices and creativity to produce basic graphic design projects.	Active
			3	Demonstrate proficiency in digital workflow, project management and group project dynamics	Active
	Graphic Design Principles	GD 110	1	Identify and use appropriate type families, styles, weights, and sizes for use in various design projects.	Active
			2	Evaluate effective design solutions using the elements of art and principles of design.	Active
			3	Apply the design process of thumbnails, roughs, comps and final design, in problem solving assignments.	Active
			4	Select the correct software (vector or raster image) for each assignment and use the format and file size best suited for the final design.	Active
	Graphic Design Work Experience	GD 230	1	Perform the defined duties expected of an employee at the placement level assigned.	Active
			2	Apply skills acquired through course work to tasks assigned by the placement activity.	Active
	Page Layout	GD 129	1	Apply current industry standard software and digital tools to create multiple page layouts for print and web	Active
			2	Create functional aesthetic and mechanically appropriate	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	design layouts using problem-solving techniques,and principles of design	Active
			3	Select effective color schemes and use color modes of process color (CMYK), screen color (RGB) and spot color (PMS)	Active
			7	Recognize and select various paper colors, textures, and weights for printing	Active
	Photoshop Digital Imaging	GD 126	SLO 1	Define terms and concepts related to the digital imaging environment.	Active
			SLO 2	Edit, manipulate, enhance and compose digital images in accordance with industry standard digital image standards for print and screen applications.	Active
			SLO 3	Demonstrate an understanding of and apply visual communication and expression in graphic arts.	Active
	Professional Business Practices	GD 130	1	Analyze and estimate the cost of facilities and equipment for a successful work environment.	Active
			2	Describe and prepare professional contracts, proposals, invoices, estimates and other necessary forms.	Active
			3	Recognize and apply time management strategies necessary in the business world.	Active
			4	Prepare a professional resume and perform effectively in mock client and job interviews.	Active
	Professional Digital Photography I	GD 210	1	Select digital photographic equipment based on needs, camera attributes and cost.	Active
			2	Define/explain common digital photography terms and concepts.	Active
			3	Demonstrate use of digital camera settings for optimum results.	Active
			4	Light, compose and expose to create high-quality photographs.	Active
			5	Use Adobe Photoshop to retouch and manipulate digital images.	Active
			6	Use Adobe Photoshop to apply contrast and color adjustments to improve digital photographs.	Active
			7	Optimize digital images for the best possible output.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			8	Establish an efficient digital workflow.	Active
	Professional Digital Photography II	GD 211	1	Describe and use advanced light control techniques to enhance quality of photos.	Active
			2	Shoot, process and edit digital raw files using non destructive editing techniques.	Active
			3	Create photo layouts using Adobe Photoshop software.	Active
			4	Create technically proficient and aesthetically pleasing photographic images for a variety of mediums.	Active
			5	Skillfully enhance, retouch, color correct and output digital photographs.	Active
			6	Use photography as a means for visual design, illustration and graphic communication.	Active
	Professional Digital Photography III	GD 212	1	Optimize digital photographs using advanced camera raw processing techniques	Active
			2	Express a concept or theme using photo illustration as a medium.	Active
			3	Photograph and process high dynamic range scenes (HDR) for optimized image quality.	Active
	Typography	GD 125	1	Use appropriate typographic terminology for measurements, styles, and construction of letterforms.	Active
			2	Describe and apply typography production techniques for print and screen.	Active
			3	Incorporate the design process from roughs, comps, and final design for various projects.	Active
			4	Assemble a body of typographic work for a portfolio review that meets aesthetic and readability standards set by the instructor.	Active
	Web Graphics	GD 217	1	Describe technical issues related to web graphics.	Active
			2	Define terms and explain concepts and principles significant to web graphics design and delivery.	Active
			3	Create compressed graphics in several web formats.	Active
			4	Create animated images.	Active
			5	Synthesize web graphics design principles and production skills to create attractive and readable web design elements such as rollover buttons, titles and photos.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			6	Synthesize web graphics design principles and production skills to create an attractive and usable website interface.	Active
SLO (CTE - CT&S) - Computer Assisted Drafting & Design (CADD)	3D Solid Modeling	CADD 125	1	Sketch orthographic, sectional, and auxiliary views of complex designed parts.	Active
			2	Show dimensions and determine tolerances.	Active
			3	Determine the scale of the drawings.	Active
			4	Determine which parts should be represented as section view and/or as detail drawings.	Active
			5	Create orthographic and exploded pictorial views in assembly drawings.	Active
			6	Label all parts in assembly drawing, using numbers and balloons format.	Active
			7	Create an ANSI standard parts list with all relevant information for the parts in the assembly.	Active
		ENGR 125	1	Sketch orthographic, sectional, and auxiliary views of complex designed parts.	Active
			2	Show dimensions and determine tolerances.	Active
			3	Determine the scale of the drawings.	Active
			4	Determine which parts should be represented as section view and/or as detail drawings.	Active
			5	Create orthographic and exploded pictorial views in assembly drawings.	Active
			6	Label all parts in assembly drawing, using numbers and balloons format.	Active
			7	Create an ANSI standard parts list with all relevant information for the parts in the assembly.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Advanced Architectural Computer-Aided Drafting & Design	CADD 133	1	Create a complete three-dimensional (3D) model from an original architectural design.	Active
			2	Create complex two-dimensional line drawings, proposed to be utilized in the construction industry, from a three-dimensional model.	Active
			3	Build a sophisticated electronic three-dimensional model utilizing multiple compound wall types, standard and custom user created doors and windows, complex massing structural elements, user generated interior and exterior specialty components, advanced environmental systems components, research and development of library components, and advanced use of two-dimensional and three-dimensional drafting and design components, three-dimensional drafting and design components.	Active
			4	Create a complete design process set of documents for a complex structure, including conceptual design documents, preliminary design documents, design development documents, contract documents, schedules, and legends from an electronic three-dimensional model.	Active
	Advanced Computer-Aided Drafting and Design	CADD 132	SLO 1	Start and complete a base solid feature and create the next solid feature.	Active
			SLO 2	Create advanced 3D models using various modeling strategy and features, such as extrusion, revolve, sweep, loft, rectangular and circular patterns, shell.	Active
			SLO 3	Create drawings from parts or assemblies and associative functionality.	Active
			SLO 4	Create auxiliary, sectional, and detailed views.	Active
			SLO 5	Add annotation to drawings, such as dimensions, reference dimensions, center marks and center lines, Bill of Material from parts list or assembly model, to complete the drawing sheet.	Active
			SLO 6	Operate and troubleshoot 3D printers.	Active
	Advanced Computer-Aided Landscape Design	CADD 201	1	Use AutoCAD symbols and graphic patterns to complete residential landscape plans including hardscape features, irrigation, and drainage and planting plans.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Use AutoCAD application commands to scale, rotate and place design components for landscaping design projects.	Active
			3	Explain and demonstrate the use of multiple design environments in AutoCAD.	Active
			4	Use AutoCAD and alternative software to design and produce a graphic presentation of a landscape plan for a client presentation.	Active
		OH 201	1	Use AutoCAD symbols and graphic patterns to complete residential landscape plans including hardscape features, irrigation, and drainage and planting plans.	Active
			2	Use AutoCAD application commands to scale, rotate and place design components for landscaping design projects.	Active
			3	Explain and demonstrate the use of multiple design environments in AutoCAD.	Active
			4	Use AutoCAD to design and produce a graphic presentation of a landscape plan for a client presentation.	Active
	Architectural Computer-Aided Drafting and Design	CADD 131	1	Translate preliminary architectural design hand-sketches into 3D dimensional parametric.	Active
			2	Prepare complete contract documents for small scale architectural projects for submission to agencies for review and approval.	Active
			3	Estimate the materials needed to construct the architectural design.	Active
			4	Design, plan and build a three-dimensional CADD model developed from a pre-described program of a small scale architectural project.	Active
	Dimensioning and Tolerancing	CADD 128	1	Define terms related to dimensioning symbols, geometric dimension and tolerancing symbols.	Active
			2	Differentiate between maximum material condition (MMC) and least material condition (LMC) material conditions for the machining.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	Interpret drawing applications specifying “regardless of feature size” (RFS) and “regardless of material boundary” (RMB) of the machined object.	Active
			4	Interpret design requirements established by datum precedence and material condition.	Active
			5	Apply or interpret composite positional tolerances on engineering drawings.	Active
	Electronic Drafting	CADD 126	1	Apply electronic graphics and symbols to create basic engineering drawings.	Active
			2	Develop documentation for block diagrams, flow charts and wiring to describe the details of the diagram.	Active
			3	Prepare drawings for mechanical enclosures to represent the mechanical parts of the drawing.	Active
			4	Create Schematic Capture and Printed Circuit Board (PCB) layout and design to capture an electronic circuit created by a designer.	Active
	Engineering Graphics	CADD 115	1	Create geometric constructions in order to produce 2D drawings, including isometric drawing.	Active
			2	Draw orthographic projections.	Active
			3	Demonstrate isometric drawing with AutoCAD.	Active
			4	Produce documentation to support the drawing – Title Block info.	Active
			5	Provide detailed drawing to show a complex part of drawings.	Active
			6	Produce dimensioning in accordance with industry standards.	Active
			7	Construct basic annotation “text” in isometric-text format.	Active
	Engineering Solid Modeling	CADD 129	1	Develop a part model.	Active
			2	Construct and develop a complex 3D engineering model.	Active
			3	Create multiple identical objects by using pattern features.	Active
			4	Produce annotation and dimensions on 2D projections of a 3D object based on ANSI standard.	Active
			5	Present an engineering working drawing from a 3D part.	Active
		ENGR 129	1	Develop a part model.	Active
			2	Construct and develop a complex 3D engineering model.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2		Active
			3	Create multiple identical objects by using pattern features.	Active
			4	Produce annotation and dimensions on 2D projections of a 3D object based on ANSI standard.	Active
			5	Present an engineering working drawing from a 3D part.	Active
	Introduction to Computer-Aided Drafting and Design	CADD 120	1	Utilize the basic AutoCAD terms, concepts and techniques.	Active
			2	Sketch and draw isometric drawings.	Active
			3	Produce drawings using geometric construction and apply metric or customary measuring systems.	Active
			4	Construct 3D geometric models by implementing the appropriate 3D commands.	Active
			5	Produce orthographic projections including section and auxiliary views.	Active
			6	Apply dimensions and tolerances in drawings accordance with industry standards.	Active
	Introduction to Computer-Aided Landscape Design	CADD 200	1	Use AutoCAD to prepare a series of landscape plans which would include decks, slopes, and irrigation layout for a residential landscape.	Active
			2	Develop and utilize a library of symbols appropriate for landscape design projects.	Active
			3	Prepare a cost estimate of a residential landscape project using AutoCAD.	Active
			4	Use AutoCAD in preparation of a contour and slope plan on a landscape project.	Active
		OH 200	1	Use AutoCAD to prepare a series of landscape plans which would include decks, slopes, and irrigation layout for a residential landscape.	Active
			2	Develop and utilize a library of symbols appropriate for landscape design projects.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2		Active
			3	Prepare a cost estimate of a residential landscape project using AutoCAD.	Active
			4	Use AutoCAD in preparation of a contour and slope plan on a landscape project.	Active
	Survey Drafting Technology	CADD 127	1	Describe the processes, plans, purposes, and method of preparation involved in land development as applied in the Civil Engineering field.	Active
			2	Demonstrate Civil Engineering drawing skills through the preparation of varied working drawings for legal and construction permit purposes.	Active
			3	Utilize state and local government standards and practices in project applications and drawing preparation.	Active
			4	Complete pre-planning drawings prior to field work according to the established deadlines.	Active
SLO (CTE - CT&S) - Surveying (SURV)	Advanced Surveying	SURV 240	1	Demonstrate standard surveying practices through a series of office problems and associated field problems.	Active
			2	Practice techniques and problems involved in the production of precise surveys of both large and small scale.	Active
			3	Apply the principles of surveying to several specialized subfields of surveying and land mapping.	Active
			4	Plan a given survey, direct the acquisition of field data in an orderly and efficient fashion, and perform the necessary reduction of field data and/or mapping required by the given problem.	Active
	Boundary Control and Legal Principles	SURV 220	1	Mathematically breakdown the public land surveying boundary problems in accordance with the 2009 BLM Manual of Survey Instructions.	Active
			2	Understand and apply the rules of evidence, junior and senior rights to boundary law.	Active
			3	Demonstrate proficiency in reading and writing legal descriptions that pertain to describing real property.	Active
	Plane Surveying	SURV 218	1	Apply the field techniques of plane surveying such as chaining,	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Plane Surveying	SURV 218	1	leveling, traverse, and topographic work.	Active
			2	Successfully solve a sequence of similar problems, first using older transits and pace methods, later refining results with theodolite instruments, and finally with standard tools of surveying.	Active
			3	Demonstrate the advantages, disadvantages, uses and adjustments of each piece of equipment used.	Active
SLO (CTE - EHSM) - Environmental Health & Safety Mgt (EHSM)	Air Quality Management	EHSM 215	1	Understand the historical trend and development of air pollutants and be able to define the global impacts due to local, regional and global air pollution issues.	Active
			2	Identify and describe the characteristics of the most common air pollutants.	Active
			3	Recognize and define the general application of federal, state and local regulations related to air pollution.	Active
			4	Identify and compare components of air management programs and define terms commonly found in air regulations and permits.	Active
	Construction Safety Standards	EHSM 145	1	Identify, describe and validate research methodologies of applicable California and Federal (Cal/OSHA and Fed/OSHA) safety regulations and standards relevant to the construction industry.	Active
			2	Demonstrate the application of California and Federal safety standards to assess construction worksites and recognize hazardous conditions and/or noncompliance.	Active
			4	Investigate construction accidents/mishaps as presented by the instructor, identifying root causes of the accident/mishap and relate findings to possible citations based upon California and Federal safety regulations and standards.	Active
			5	From a classroom perspective, apply appropriate and recognized construction risk management strategies (e.g., engineering controls, personal protective equipment) in order to protect worker safety and validate regulatory compliance.	Active
	Contemporary Issues in Environmental Resources	BIO 112	1	Outline and apply the scientific method to the analysis and resolution of environmental problems.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			10	Diagram a sample food web and describe its relationship to energy flow in an ecosystem.	Active
			11	Describe how species interact via competition and predation and model the impacts on population size.	Active
			12	Explain the relationship between changes in a population's gene pool through successive generations and the process of evolution.	Active
			13	Explain how the extinction of species and formation of new species affect biodiversity and the overall impact on Earth's sustainability.	Active
			14	Model how populations change in size, density and makeup in response to birth, death, fertility, migration rates and environmental stress.	Active
			15	Describe the scientific basis behind soil, water and air resources, describe associated issues with each of them, and evaluate methods for remediation and prevention of future problems.	Active
			16	Evaluate the relationships between humans and their environment and assess the impact of humans on Earth's natural systems.	Active
			2	List a variety of natural resources and describe how they are connected with environmental issues.	Active
			3	Define the concept of sustainability.	Active
			4	Compare and contrast the fields of ecology and environmental science.	Active
			5	List the root causes of environmental problems, examine their interconnections, and discuss their connections to political, economic and social issues.	Active
			6	Describe the major effects that hunter-gatherer, agricultural, and industrial societies have had on the environment.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			7	List the major components of an ecosystem, define ecosystem services and describe how they affect the sustainability of the Earth's life support services.	Active
			8	Model earth's biogeochemical cycles and explain their interconnections with environmental issues.	Active
			9	Analyze how utilization of non-renewable energy sources impacts the natural environment and evaluate and recommend energy alternatives.	Active
	Cooperative Work Experience	EHSM 240	1	Function safely and professionally in a typical EHSM workplace environment.	Active
	Environmental/Occupational Health Effects of Hazardous Materials	EHSM 130	1	Define common health effects and toxicology of hazardous materials, including comparing and contrasting acute versus chronic health effects of hazardous materials.	Active
			2	Describe toxic actions of toxic substances and their effects on target organs and distinguish dose-response relation (dose exposure) of toxic substances.	Active
			3	Evaluate, identify and explain exposure guidelines and limits and appropriate medical surveillance control measures for reducing exposure to hazardous materials.	Active
	Fundamentals of Chemistry	CHEM 115	1	Classify matter in a variety of ways.	Active
			10	Perform a variety of experimental techniques in a laboratory setting.	Active
			2	Apply knowledge of the periodic table and theories of atomic structure in a variety of ways, including determination of the number of and placement of subatomic particles in an atom and writing electron configurations, among others.	Active
			3	Apply knowledge of bonding theory to draw Lewis dot structures and predict molecular geometry.	Active
			4	Classify bonds in substances according to their polarities and use these classifications to predict the presences of intermolecular forces and various physical properties, including relative boiling points and melting points, among others.	Active
			5	Using a heating or cooling curve, determine melting points and boiling points of pure substances.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5		Active
			6	Predict the products and write balanced equations for ordinary chemical reactions and nuclear reactions.	Active
			7	Predict the effect of concentration, temperature or catalysts on the rate or equilibrium position of a chemical reaction.	Active
			8	Determine the acid-base properties of substances and buffering properties of mixtures of substances.	Active
			8-original	For a chemical reaction, calculate stoichiometric amounts using the mole concept and the technique of dimensional analysis.	Active
			9	Solve a wide variety of chemical calculations and unit conversions in a variety of topics, including chemical reactions (stoichiometry), drug dosages and clinical calculations involving solutions, acids and bases, and gases, among others.	Active
	General Biology I	BIO 130	1	Outline the methods and activities of scientific inquiry used to solve problems in biology and identify limitations to the types of questions that can be answered scientifically.	Active
			10	Construct a model that represents the chemical composition and architecture of a cell membrane and predict the flow of molecules across the membrane based on osmolarity on opposite sides of the membrane.	Active
			11	Explain how enzymes allow anabolic and catabolic metabolism in a cell to operate in terms of the cell's energy flow.	Active
			12	Describe the processes of photosynthesis, glucose oxidation, and fermentation in terms of their energy flow and conversion properties, and their interrelationships.	Active
			13	Compare and contrast the functions and mechanisms of mitosis and meiosis in a diploid organism's life cycle.	Active
			14	Solve problems that require calculation of the probability of the inheritance of a particular genetic allele for Mendelian and non-Mendelian scenarios.	Active
			15	Appraise the evidence for evolution and illustrate the key	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			15	concepts using an example.	Active
			16	Apply the knowledge gained in the course to assess contemporary problems/situations in biology.	Active
			2	Distinguish among statements that describe a hypothesis, a theory or natural law.	Active
			3	Determine whether an entity is living based upon a description of its properties.	Active
			4	Classify an organism into the appropriate domain and kingdom based upon its characteristics; justify the reasons for placing it there.	Active
			5	Explain how the various components of matter can be organized into biological molecules.	Active
			6	Compare and contrast the structures, roles and interrelationships of biological molecules including nucleic acids, proteins, carbohydrates and lipids.	Active
			7	Given a molecule of DNA with a specific nucleotide sequence, demonstrate how to create the complementary strands of the double helix, transcribe one of the strands into mRNA, and translate into a peptide.	Active
			8	Describe the relationship between structure and function in proteins and the implications of changes in structure on the operation of a cell.	Active
			9	Construct a model of a prokaryotic and eukaryotic cell that includes the various sub-cellular structures and describes their inter-relationships and possible origins; contrast this model with that of a typical virus.	Active
	General Biology I Laboratory	BIO 131	1	Perform the basic activities of scientific inquiry, including presentation of data in the form of tables, charts and graphs, design of experiments, collection of data, and critical analysis of data.	Active
			10	Solve problems in genetics based on Mendelian and non-mendelian models of inheritance	Active
			11	Describe the relationship between classical genetics and	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			11	modern molecular genetics, and the significance of molecular genetics in the modern world	Active
			12	Understand the structure and functional relationships of plants with other biotic and abiotic factors in ecosystems	Active
			13	Study the structure and function of the major organs and organ systems in a representative mammal and compare and contrast to those of humans.	Active
			14	Understand the basis of the classification of the animal kingdom as well as recognize members of the different animal phyla	Active
			2	Use both compound and stereo microscopes to study cells and organisms.	Active
			3	Describe the relationship between respiration and photosynthesis, producers and consumers and the role of each of these in ecosystems.	Active
			4	Relate membrane transport examples to real world situations	Active
			5	Test for the presence of carbohydrates, lipids, proteins and nucleic acids, recognize the relationships between the testing methods and the chemical properties of these compounds, and the significance of these molecules in living organisms.	Active
			6	Measure the rate of enzyme catalyzed reactions under different conditions, and explain the significance to living systems.	Active
			7	Recognize the roles of light, CO2 and pigments in photosynthesis and to measure the rate of photosynthesis under different conditions	Active
			8	Compare human-controlled oxidation to glucose oxidation in respiration and to measure the rate of respiration under different conditions	Active
			9	Compare the role of mitosis to meiosis in cellular division and to recognize the different phases of these processes	Active
	General Industry Safety Standards	EHSM 135	SLO 1	Identify, describe and apply California and Federal safety regulations and standards relevant to general industry, assess worksites and recognize hazardous conditions.	Active
			SLO 2	Use California and Federal safety standards to evaluate situations of noncompliance and employ principles to develop a hazard abatement plan.	Active
			SLO 3	Investigate occupational accidents/mishaps and identify root causes of the accident/mishap based upon California and Federal safety regulations and standards.	Active
	Hazardous Materials Management (HMM)	EHSM 200	1	Describe the function and services of agencies that regulate specific hazardous materials.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Applications	EHSM 200	1		Active
			2	Read and interpret hazardous materials labels as listed form suppliers, manufacturer's or transporters, including Globally Harmonized pictograms.	Active
			4	Describe and demonstrate in a classroom setting, proper transportation and shipping of hazardous materials using generally acceptable modes of transportation as examples.	Active
	Hazardous Waste Management Applications	EHSM 150	1	Describe the characteristics of hazardous wastes and generator requirements.	Active
			2	Define hazardous waste requirements for handling, treating, storing and disposal	Active
			3	Distinguish appropriate terms common to the hazardous management for industry.	Active
			4	Apply hazardous waste management techniques in compliance with federal, State, and local regulations	Active
	Industrial Wastewater and Stormwater Management	EHSM 210	1	Explain the characteristics of water pollutants as it relates to the quality of water.	Active
			2	Describe wastewater and drinking water requirements and limitations.	Active
			3	Apply appropriate terms common to the water/wastewater industry.	Active
			4	Describe the services and functions of agencies that regulate water/wastewater quality and compliance.	Active
	Introduction to Environmental & Occupational Safety & Health (OSH) Technology	EHSM 100	1	Interpret laws and regulations pertaining to environmental management and OSH programs.	Active
			2	Distinguish between EHSM agencies that regulate environmental management and OSH programs.	Active
			6	Analyze the criteria of physical, chemical, and biological	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			6	interactions of pollutants and their effect on EHSM.	Active
	Introduction to Industrial Hygiene and Occupational Health	EHSM 201	1	Identify and relate key historical elements to current regulations and accepted practices in industrial hygiene and occupational safety.	Active
			2	Demonstrate the proper use, preparation and calibration of industrial hygiene instrumentation.	Active
			3	Identify appropriate radiation safety requirements used during the storage, handling and disposal of radioactive material.	Active
			4	Demonstrate a basic knowledge of the pathological effects to human anatomy and physiological processes caused by exposure to harmful agents as it relates to occupational exposure.	Active
	Pollution Prevention	EHSM 110	SLO 1	Describe and evaluate waste stream and hazardous materials generation.	Active
			SLO 2	Define waste stream reduction methods and pollution prevention requirements.	Active
			SLO 3	Understand applicable pollution prevention laws, regulations, standards and terms.	Active
	Principles of Information Systems	CIS 110	1	Describe and discuss the components and functions of computer systems, including both hardware and software.	Active
			2	Analyze business problems using modern productivity tools.	Active
			3	Analyze information system requirements and propose feasible alternatives for IT solutions.	Active
			4	Describe and discuss the system-development life-cycle.	Active
	Public Speaking	COMM 122	1	Analyze their communication situation, including audience, occasion, purpose; and selection of subject matter.	Active
			2	Research, write and deliver an effective public speech.	Active
			3	Demonstrate that they are careful and critical thinkers and communicators, both as speakers and as listeners.	Active
	Safety and Emergency Response	EHSM 230	1	Select and use the appropriate PPE and respiratory protection.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Describe and evaluate the laws and regulations pertaining to hazardous waste/materials emergency response.	Active
			3	Develop an emergency contingency plan and Site Specific Health and Safety Plan (SARA Title I, Section 126).	Active
			4	Analyze, evaluate and respond properly to a hazardous materials incident.	Active
	Safety and Risk Management Administration	EHSM 205	1	Research and interpret federal, state and local laws and regulations pertaining to safety management.	Active
			2	Distinguish appropriate state and federal terms and standards common to the safety and risk management field.	Active
			3	Identify safety and risk management requirements in order to meet regulatory program and best management practices and compliance guidelines.	Active
	Spanish I	SPAN 120	1	Demonstrate an understanding and use of the present tense for reading, writing, speaking, and listening activities.	Active
			2	Compare & contrast theme-specific aspects of Hispanic/Latino culture to their own.	Active
SLO (CTE - OH) - Ornamental Horticulture (OH)	Advanced Computer-Aided Landscape Design	CADD 201	1	Use AutoCAD symbols and graphic patterns to complete residential landscape plans including hardscape features, irrigation, and drainage and planting plans.	Active
			2	Use AutoCAD application commands to scale, rotate and place design components for landscaping design projects.	Active
			3	Explain and demonstrate the use of multiple design environments in AutoCAD.	Active
			4	Use AutoCAD and alternative software to design and produce a graphic presentation of a landscape plan for a client presentation.	Active
		OH 201	1	Use AutoCAD symbols and graphic patterns to complete residential landscape plans including hardscape features, irrigation, and drainage and planting plans.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
		OH 201	1		Active
			2	Use AutoCAD application commands to scale, rotate and place design components for landscaping design projects.	Active
			3	Explain and demonstrate the use of multiple design environments in AutoCAD.	Active
			4	Use AutoCAD to design and produce a graphic presentation of a landscape plan for a client presentation.	Active
	Advanced Landscape Design	OH 175	1	Demonstrate an understanding of advanced principles of landscape design.	Active
			2	Demonstrate advanced drafting skills in the development of landscape designs and compare to AutoCad.	Active
			3	Use computerized presentation software to give a presentation that demonstrates knowledge of the basic styles of landscape architecture.	Active
	Arboriculture	OH 260	1	Demonstrate correct visual identification of trees into broad taxonomic and morphologic groups.	Active
			2	2) Outline the Compartmentalization of Decay in Trees sequence, correctly identifying the location and function of each of the Four Walls.	Active
			3	Locate the correct position to make a pruning cut to properly remove a tree branch.	Active
			4	List the steps to plant a tree to current industry standards.	Active
			5	Correctly identify the most common structural defects associated with urban trees.	Active
			6	Correctly identify the regionally most common pests, diseases and abiotic disorders of urban trees.	Active
			7	Demonstrate knowledge of equipment commonly used in tree maintenance and arboricultural work.	Active
	Business Communication	BUS 128	1	Identify strategies for communicating effectively both orally and in writing in today's business environment.	Active
			2	Define the major characteristics of effective oral and written business communication.	Active
			3	Define and apply the five "C's" of communication to achieve a business-like tone that is clear, concise, complete, correct, and courteous in both oral and written communication.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			4	Describe and apply the three-step writing process when preparing business reports, composing memos, letters, good news, bad news and persuasive messages.	Active
	Business Management for Ornamental Horticulture	OH 278	1	Demonstrate understanding of green industry business environment	Active
			2	Compare and contrast alternate methods of providing supervision, leadership and training of personnel	Active
			3	Compare and contrast marketing methods used in various areas of the green industry	Active
			4	Demonstrate communication and sales skills in relationships with customers	Active
			5	Discuss common accounting practices and how they affect the green industry	Active
			6	Demonstrate applicable operations systems for the green industry	Active
			7	Identify methods of employee management	Active
	Cooperative Work Experience Education	OH 290	1	Establish career objectives and determine intermediate goals in pursuit of a long range objective.	Active
			2	Participate in work which is directly related to their career objectives.	Active
			3	Correlate academic theory and principle with actual work experience.	Active
			4	Demonstrate effective job seeking skills.	Active
			5	Evaluate career objectives based on experience gained through work experience.	Active
	Diagnosing Horticultural Problems	OH 275	1	Apply diagnostic methods and practices for evaluating common landscape problems.	Active
			2	Identify common plant disorders and causal agents.	Active
			3	Research and recommend corrective treatments for common landscape disorders.	Active
			4	Interpret reports and results from testing labs for treatment options.	Active
	Drawing I	ART 124	SLO 1	Create drawings that demonstrate and apply both the principles of design and the elements of art	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			SLO 2	Identify artistic qualities, major works, or significant individuals in art from various historical periods	Active
	Edibles in Urban Landscapes	OH 105	SLO 1	Identify the principle edible crops that are suitable for cultivation in San Diego County.	Active
			SLO 2	Demonstrate an understanding of the proper planting and harvesting techniques.	Active
			SLO 3	Demonstrate an understanding of the cultural care and maintenance of edible crops in landscapes.	Active
	Entrepreneurship: Starting and Developing a Business	BUS 111	1	Analyze problems that small businesses face in order to create a more successful and ethical model that differentiates failure from success as seen in a profitable business venture.	Active
			2	Describe different sources of funding that are used for new business ventures and explain how each can be used to acquire or expand new operations.	Active
			3	Write a complete business plan for a new or preexisting business that incorporates the analysis of organizational structure, income statements, balance sheet, and statement of cash flows.	Active
	Floral Design I	OH 114	1	Demonstrate the basic principles and elements of floral design by producing floral designs in class activities.	Active
			2	Demonstrate knowledge of the proper plant materials for floral designs including knowing the plant names.	Active
			3	Calculate the retail price of floral designs in order for a floral business to make a profit.	Active
	Floral Design II	OH 116	1	Demonstrate proper use of all tools in florist trade and the use of decorative options while effectively implementing the Principles and Elements of Floral Design.	Active
			2	Analyze the costs of floral designs to accommodate specific client needs, and execute a unique final design.	Active
			3	Compare and contrast European design trends with traditional designs and use various organic and inorganic materials to develop a more current and distinguished marketable floral product.	Active
	Fundamentals of Ornamental Horticulture	OH 120	1	Demonstrate an understanding of basic botanical principles.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Demonstrate an understanding of basic soil principles.	Active
			3	Demonstrate practical knowledge in the safe operation of horticultural equipment.	Active
			4	Demonstrate an understanding of basic horticultural field practices.	Active
	Golf Course and Sports Turf Management	OH 265	1	Identify and select the correct turfgrass and groundcover species based on location, soil, water quality and use, to maximize healthy growing conditions	Active
			2	Identify cool and warm season turf and groundcovers and match them with proper environmental conditions.	Active
			3	Identify seeding and propagation methods and select proper planting seasons to maximize growth.	Active
			4	Determine proper seeding rates and spacing of plants during propagation.	Active
			5	Identify disease insect and weeds related to turf and groundcovers and select proper control methods along with an Integrated Pest Management Program to prevent pest problems.	Active
			6	Use industry standards to properly renovate a turf area ,	Active
			7	Apply seasonal fertilizers to turf and groundcover.	Active
			8	Using methods covered in class, properly overseed a Bermuda grass turf.	Active
	Greenhouse Plant Production	OH 240	1	Program and grow a greenhouse crop based on established horticultural practices using a format as described in class.	Active
			10	Based on established horticultural practices, predict appropriate cutting method, select quality propagation stock and produce viable cuttings	Active
			2	Distinguish between various substrate, based on substrate composition	Active
			3	Propagate plants using cutting methods as demonstrated in class	Active
			4	Based on systems learned in class, analyze various plants, and draw conclusions on environment, substrate, watering, fertilization, to determine if corrective measures to apply if necessary.	Active
			5	Identify and describe the function of the structural components of a greenhouse and compare and contrast greenhouse construction styles based on established industry standards.	Active
			6	Distinguish between and demonstrate the use of greenhouse	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			6	environmental controls.	Active
			7	Identify crop problems between insect, disease, environment, watering based on observations to determine if biotic or abiotic disturbances are present.	Active
			8	Based on methods established in class and established industry standards, prepare a basic business and marketing plan, for a specific crop from production to market including the principles of plant branding.	Active
			9	Using proper techniques established in class, demonstrate proper planting, transplanting of liners and production of cuttings.	Active
	Horticultural Equipment Repair and Maintenance	OH 276	1	Demonstrate the ability to apply both theory and the requisite skills to maintain small engines.	Active
			2	Identify procedures for overhauling small two and four stroke engines	Active
			3	List, explain, and perform proper safety and use of small horticultural equipment	Active
	Intermediate Landscape Design	OH 173	1	Demonstrate an understanding of the semi-advanced principles of landscape design.	Active
			2	Demonstrate semi-advanced drafting skills in the development of landscape plans.	Active
			3	Organize a project in a team environment and present the project to a client.	Active
	Introduction to Computer-Aided Landscape Design	CADD 200	1	Use AutoCAD to prepare a series of landscape plans which would include decks, slopes, and irrigation layout for a residential landscape.	Active
			2	Develop and utilize a library of symbols appropriate for landscape design projects.	Active
			3	Prepare a cost estimate of a residential landscape project using AutoCAD.	Active
			4	Use AutoCAD in preparation of a contour and slope plan on a landscape project.	Active
		OH 200	1	Use AutoCAD to prepare a series of landscape plans which would include decks, slopes, and irrigation layout for a residential landscape.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Develop and utilize a library of symbols appropriate for landscape design projects.	Active
			3	Prepare a cost estimate of a residential landscape project using AutoCAD.	Active
			4	Use AutoCAD in preparation of a contour and slope plan on a landscape project.	Active
	Introduction to Landscape Design	OH 172	1	Demonstrate an understanding of the basic principles of landscape design.	Active
			2	Demonstrate an understanding of the development of a landscape plan using drafting skills.	Active
			3	Present a completed landscape design that caters to the needs of the client.	Active
	Irrigation System Design	OH 238	1	Produce irrigation design sets for landscape areas using the proper types of irrigation systems (sprinkler or drip irrigation).	Active
			2	Calculate the total system pressure requirement for a landscape irrigation project.	Active
			3	Evaluate various installation options to determine which is the most economically feasible.	Active
	Japanese Garden Construction and Maintenance	OH 222	1	Describe the traditional Japanese garden design principles and techniques.	Active
			2	Describe the design composition and construction of ponds, waterfalls, water basins, stone gardens and stone walls.	Active
			3	Describe basic traditional pruning techniques of shrubs and trees.	Active
	Landscape Construction: Concrete and Masonry	OH 220	1	Cite specific portions of laws pertaining to landscape contracting	Active
			2	Prepare proper concrete mixes and pour a concrete pad.	Active
			3	Perform proper masonry techniques including those for brick, block or stone masonry	Active
	Landscape Construction: Irrigation and Carpentry	OH 221	1	Interpret landscape, drainage, construction plans and details for decks, overheads and fences in order to construct or install various hardscape and irrigation components used in residential and commercial landscapes.	Active
			2	Evaluate proper installation methods for remote control valves and control clocks.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			3	Install irrigation system components including: sprinklers, drip emitters, pipe, valves and controllers.	Active
			4	Analyze and solve problems related to remote control valves and control clocks.	Active
			5	Perform safe operation of common equipment related to construction of decks, overhead structures, fences and gates.	Active
			6	Describe code and design requirements for installation of irrigation and drainage systems and construction of decks, overhead structures, fences and gates.	Active
			7	Develop materials lists from landscape plans for construction of decks, overhead structures, fences and gates	Active
	Landscape Contracting	OH 225	1	Describe standard techniques in landscape contracting.	Active
			2	Produce a cost estimate for a landscape project.	Active
			3	Describe laws and regulations governing landscape contracting in California.	Active
			4	Outline standard business practices associated with the landscape industry.	Active
	Landscape Drafting	OH 171	1	Demonstrate the proper use of drafting tools, graphic material, and landscape symbols in preparation of a landscape concept plan.	Active
			2	Identify and differentiate between the types of drawings and plans for client presentations.	Active
			3	Produce a concept plan for a residential landscape from a previously designed residential landscape.	Active
	Landscape Technician Principles 1	OH 125	1	Demonstrate the safe and effective operation of landscape power equipment.	Active
			2	Perform basic landscape maintenance operations (tree planting, fertilizer application, pruning and grading) in a safe and effective manner.	Active
			3	Identify common landscape plants.	Active
	Landscape Technician Principles 2	OH 126	1	Demonstrate the basic landscape foundation principles.	Active
			2	Demonstrate the proper installation and repair of irrigation components.	Active
	Landscape Technician Principles 3	OH 127	1	Demonstrate the basic principles of irrigation control clock programming.	Active
			2	Read a landscape plan for the purposes of landscape	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	construction and maintenance	Active
			3	Measure landscape areas and make calculations for the purpose of establishing the quantity and cost of landscape materials.	Active
	Landscape Water Management	OH 250	1	Demonstrate an understanding of the data inputs and calculations for base irrigation schedules.	Active
			2	Apply the basic principles of irrigation system performance surveys.	Active
	Plane Surveying	ENGR 218	1	Apply the field techniques of plane surveying such as chaining, leveling, traverse, and topographic work.	Active
			2	Successfully solve a sequence of similar problems, first using older transits and pace methods, later refining results with theodolite instruments, and finally with standard tools of surveying.	Active
			3	Demonstrate the advantages, disadvantages, uses and adjustments of each piece of equipment used.	Active
		SURV 218	1	Apply the field techniques of plane surveying such as chaining, leveling, traverse, and topographic work.	Active
			2	Successfully solve a sequence of similar problems, first using older transits and pace methods, later refining results with theodolite instruments, and finally with standard tools of surveying.	Active
			3	Demonstrate the advantages, disadvantages, uses and adjustments of each piece of equipment used.	Active
	Plant Materials: Annuals and Perennials	OH 180	1	Based on nomenclature method, correctly spell the botanical and common name of 30 out of a possible 125 trees and shrubs presented, and identify them by sight.	Active
			2	Describe the important cultural characteristics of 30 out of a possible 125 trees and shrubs.	Active
	Plant Materials: Trees and Shrubs	OH 170	1	Based on nomenclature method learned in class, correctly spell the botanical and common name of 30 out of a possible 125 trees and shrubs presented, and identify them by sight.	Active
			2	Describe the important cultural characteristics of 30 out of a possible 125 trees and shrubs	Active
	Plant Pest Control	OH 130	1	Identify the main insect orders	Active
			2	Identify 12 common weeds	Active
			3	Identify the principles of integrated pest management	Active
			4	Identify the common landscape vertebrate pests	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5	Identify the principle plant disease causal agents	Active
	Plant Propagation	OH 121	1	Describe the principles of plant propagation by seed.	Active
			2	Execute the principles and techniques of propagation by seeds.	Active
			3	Explain the principles and techniques of propagation by cuttings, grafting, division and tissue culture.	Active
			4	Describe and implement the various sanitation requirements for successful plant propagation.	Active
	Principles of Landscape Irrigation	OH 235	1	Demonstrate an understanding of water pressure and pressure loss in landscape irrigation systems.	Active
			2	Determine the design capacity for landscape irrigation systems.	Active
			3	Demonstrate knowledge of standard landscape irrigation components.	Active
	Principles of Management	BUS 156	1	Describe and apply the various approaches or "schools of management" to the field of management.	Active
			2	Explain the importance of the management process and the fundamental functions making up this process.	Active
			3	Apply the fundamental guides of management to effectively solve business problems.	Active
			4	Describe how management contributes to all fundamental activities of business.	Active
			5	Describe the interrelationship of various components of a typical enterprise, the significance of management in each component and bring them together into a concerted, unified and effective endeavor.	Active
	Safe Work Practices in Tree Climbing and Arboriculture	OH 264	1	Demonstrate the proper use of personal protective equipment required for climbing and working in trees	Active
			2	Identify the correct sequence of steps required in a pre-climb inspection of the tree and work area	Active
			3	Demonstrate correct climbing knot tying, rope installation and ascension techniques	Active
			4	Identify and demonstrate safe practices for working with a chainsaw	Active
	Science In Practice for Arboriculture	OH 266	1	Demonstrate knowledge and understanding of current best management practices for the care of trees, as defined by the International Society of Arboriculture.	Active
	Soils	OH 140	1	Describe soil physical characteristics including texture, structure and morphology.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Describe soil chemical properties and how to manage soil chemical problems. Including soil pH and salinity.	Active
			3	Determine the proper mineral nutrition of plants and the proper calibration and application of fertilizers.	Active
	Spanish I	SPAN 120	1	Demonstrate an understanding and use of the present tense for reading, writing, speaking, and listening activities.	Active
			2	Compare & contrast theme-specific aspects of Hispanic/Latino culture to their own.	Active
	Special Occasion Floral Design	OH 118	1	Demonstrate an understanding of floral design styles related to special events.	Active
			2	Develop a customized design plan, event sales proposal and production schedule related to a specific venue.	Active
			3	Design and construct floral arrangements from a completed event proposal.	Active
	Sustainable Urban Landscape Principles and Practices	OH 255	1	Demonstrate an understanding of sustainable landscape design principles.	Active
			2	Demonstrate an understanding of sustainable landscape maintenance practices.	Active
			3	Demonstrate an understanding of sustainable landscape construction practices.	Active
	The Secret Life of Plants	BIO 122	1	Describe the various methods and components of scientific inquiry, describe their applications, and use these methods to solve botanical problems.	Active
			2	Identify, compare and contrast the structural and functional morphologies of nonvascular, vascular, gymnosperm and angiosperm plants, while examining the structures' evolutionary advantage.	Active
			3	Evaluate the methods of plant biotechnology and assess how this new technology affects agriculture, the environment, and society.	Active
			4	Identify and describe nutrient requirements of plants and assess nutritional deficiencies.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Tree Surgery and Specialized Pruning Techniques	OH 261	1	List the steps of physical response to injury of woody plants	Active
			2	List the correct pruning procedures for young ornamental trees	Active
			3	Describe and perform pruning techniques for ornamental and fruit trees	Active
	Turf and Ground Cover Management	OH 174	1	Identify the important turf grasses and ground covers of California	Active
			2	Demonstrate the proper cultural practices for the above grasses and ground covers	Active
			3	Identify the important diseases and pests and determine their control	Active
			4	Identify the economically important weeds in California	Active
			5	Demonstrate the proper use and maintenance of common turf equipment	Active
			6	Select alternate ground covers in place of turf	Active
	Two-Dimensional Design	ART 120	SLO 1	Create two-dimensional designs that demonstrate and apply both the principles of design and the elements of art	Active
			SLO 2	Identify artistic qualities, major works, or significant individuals in art from various historical periods	Active
	Urban Forestry	OH 263	1	Conduct a tree inventory including measuring individual trees.	Active
			2	Evaluate tree health and condition.	Active
			3	Perform a tree hazard and risk assessment using industry methods and standards.	Active
			4	Analyze the tree inventory data.	Active
			5	Draft an urban forest management plan.	Active
	Wedding Design I	OH 117	1	Reproduce bouquets, flowers to wear, ceremony and reception site décor by working with proper tools and techniques, and understanding the principles and elements of design.	Active
			2	Identify current trends of wedding décor, fashion fabrics, accessories and colors that influence the selection of wedding flowers.	Active
			3	Analyze a venue to create a retail proposal estimate and wholesale budget, including a design and installation plan for a wedding event.	Active
	Xeriscape: Water	OH 102	1	Describe the seven steps of xeriscape in landscape water	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Conservation in the Landscape	OH 102	1	conservation as it relates to residential and commercial designs and maintenance.	Active
			2	Describe the effects of different landscape styles on water use of the landscape.	Active
			3	Identify the uses of different irrigation systems in regards to water conservation.	Active
SLO (CTE - WWTR) - Water/Waste Water Technology (WWTR)	Advanced Plant Operations: Wastewater Treatment	WWTR 120	1	Explain in detail, the purpose of each advanced wastewater treatment plant process	Active
			2	Compare normal and abnormal operation procedures including the application of laboratory results to process control, equipment and facilities maintenance.	Active
			3	Describe federal and state laws and regulations as they relate to wastewater treatment processes.	Active
			4	Describe important vocabulary and technical concepts associated with advanced wastewater treatment.	Active
			5	Describe how SCADA and advanced computer skills are used to monitor and control wastewater treatment plant processes and performance.	Active
			6	Explain how wastewater treatment plant operations are changing to incorporate more sustainability issues such as water reclamation, bio-gas and bio-solids harvesting, co-generation, etc.	Active
	Advanced Plant Operations: Water Treatment	WWTR 117	1	Explain in detail how water is treated for iron and manganese, excessive hardness, and fluoride compliance.	Active
			2	Describe the operation of the four types of membranes and how membrane processes are used in water treatment systems.	Active
			3	Describe optimization techniques and best available technologies for water treatment systems.	Active
			4	Describe the chemical and bacteriological standards of water quality and describe the sources and calculate quantities of specific constituents in water and discuss how variations in these constituents affect treatment processes and water quality.	Active
			5	Interpret federal and state laws and regulations and explain how they relate to water treatment processes.	Active
			6	Perform mathematical calculations and conversions, including solving for unknowns, relating to hydraulic computations, water softening, types of hardness, and chemical precipitation processes.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Applied Hydraulics	WWTR 104	1	Apply hydraulic knowledge and terminology to explain the relationships between volume, velocity, flow and pressure as related to water and wastewater systems.	Active
			2	Solve complex problems using formulas and equations for calculating volume, pressure, head, velocity, flow rate, hydrostatic force, pump horsepower, and efficiency commonly encountered in water and wastewater systems.	Active
			3	Demonstrate knowledge of hydraulic principles that explain the behavior of water in closed conduit pressure systems, open channel flow systems, pumping and storage operations, and hydrology.	Active
			4	Demonstrate ability to utilize math skills and hydraulics knowledge to analyze complex hydraulic systems and calculate solutions to problems.	Active
	Backflow Tester Training	WWTR 280	1	Differentiate between different backflow devices and methods.	Active
			2	Compare and contrast the effective uses of backflow devices and explain their limitations.	Active
			3	Describe proper installation specifications for commonly used backflow prevention assemblies	Active
			4	Troubleshoot and perform an accurate backflow prevention test.	Active
	Basic Plant Operations: Wastewater Treatment	WWTR 114	1	Describe the importance of collection, treatment and disposal of municipal wastewater	Active
			2	Define and properly use wastewater treatment plant terminology.	Active
			3	Describe the basic principles of conventional wastewater treatment plant including preliminary, primary, secondary and tertiary treatment equipment and processes.	Active
			4	Demonstrate a basic comprehension of the principles of operating conventional wastewater treatment plants.	Active
			5	Explain the role Supervisory Control and Data Acquisition (SCADA) systems play in monitoring and operating process wastewater treatment plant operations.	Active
			6	Perform basic mathematical calculations and conversions relating to water flow, pressure, volume, velocity, chemical dosage, and hydraulic and organic loading as related to	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			6	wastewater treatment plant operations.	Active
	Basic Plant Operations: Water Treatment	WWTR 112	1	Identify in detail characteristics and sources of ground water and surface water supplies including the chemical, physical and bacterial characteristics, and explain the effects on quality of geological formations, stratifications, and watershed management.	Active
			2	Demonstrate knowledge of the five main processes found in conventional treatment plants.	Active
			3	Demonstrate understanding of drinking water quality standards and public health issues.	Active
			4	Explain the use of chlorine including the characteristics of and methods for storing, feeding and measuring chlorine including the effects of moisture, pH and temperature on feed rate, and the health and safety effects, procedures and personal protective requirements.	Active
			5	Determine the methods used for coagulation, flocculation and sedimentation including common chemicals used, feed systems, effects of time temperature, turbidity and pH, and the measurement of turbidity and color.	Active
			6	Demonstrate through testing basic knowledge of the regulations for monitoring water quality and performing water treatment.	Active
			7	Perform basic mathematical calculations and conversions relating to water flow, pressure, volume, velocity, chemical dosage, and CT (Concentration x Time) compliance.	Active
	Calculations in Water/Wastewater Technology	WWTR 102	1	Perform mathematical calculations to solve problems common to water/wastewater distribution, collection, and treatment systems.	Active
			2	Determine the appropriate methods and formulas necessary to solve problems relating to pressure, volume, flow rate, velocities, dilution rates, and chemical dosages.	Active
			3	Use charts, tables, and formulas to solve unknowns relating to pressure, volume, flow rates, velocities, dilution rates, and chemical dosage.	Active
			4	Perform conversions and dimensional analysis necessary to solve problems relating to pressure, volume, flow rates, velocities, dilution rates, and chemical dosages.	Active
	Cooperative Work Experience	WWTR 290	1	Establish career goals and determine intermediate objectives that lead to a long-range goals	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			2	Participate in work directly related to career objectives	Active
			3	Correlate academic theory and principle with actual work experience	Active
	Cooperative Work Experience Education	OH 290	4	Demonstrate effective job seeking skills	Active
			1	Establish career objectives and determine intermediate goals in pursuit of a long range objective.	Active
			2	Participate in work which is directly related to their career objectives.	Active
			3	Correlate academic theory and principle with actual work experience.	Active
			4	Demonstrate effective job seeking skills.	Active
	Cross Connection Control Specialist	WWTR 282	5	Evaluate career objectives based on experience gained through work experience.	Active
			1	Explain the need for backflow protection and cross connection control including Identifying approved uses of reclaimed water and the restrictions on its use.	Active
			2	Explain health and safety issues and concerns relative to both the processing and distribution of reclaimed water.	Active
			3	Identify all backflow prevention devices and be able to explain with how each of the devices function.	Active
			4	Describe reclaimed water systems from production to distribution, the current status of gray water systems, and the laws governing both.	Active
			5	Analyze and identify cross connection problems that exist on the customer's premises.	Active
			6	Describe the key components of a reclaimed water cross connection control inspection as specified in section 6002 et al, of Title 22, California Code of Regulation; includes shut down tests, coverage and signage.	Active
	Cross Connection Control Specialist - Recycled Water	WWTR 284	1	Explain the need for recycled water from a current and historical perspective including backflow protection issues.	Active
			2	Discuss the legal aspects of recycled water and how the various local, state and federal codes interrelate.	Active
			3	Describe the roles of the water agencies, regulatory agencies, and end users involved in recycled water.	Active
			4	List the permitting and regulatory requirements for the production and use of recycled water.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5	Compare and contrast recycled water treatment processes from primary to advanced wastewater treatment methods.	Active
			6	Describe shut down test methodology and discuss how to identify and resolve problems encountered during the shut-down test.	Active
	Fundamentals of Ornamental Horticulture	OH 120	1	Demonstrate an understanding of basic botanical principles.	Active
			2	Demonstrate an understanding of basic soil principles.	Active
			3	Demonstrate practical knowledge in the safe operation of horticultural equipment.	Active
			4	Demonstrate an understanding of basic horticultural field practices.	Active
	Fundamentals of Water/Wastewater Technology	WWTR 101	1	Describe the essential uses of water, the infrastructure which has been developed to meet demand, and the problems, constraints, and issues facing the water industry.	Active
			2	List the major agencies involved in providing water and wastewater services in the greater San Diego region.	Active
			3	Identify the major regulatory agencies that monitor and regulate the water/wastewater industry.	Active
			4	Compare and contrast the sources of water and wastewater, the major collection and transportation networks, and the major water and wastewater treatment and reclamation facilities operating in San Diego County	Active
	Introduction to Electrical and Instrumentation Processes	WWTR 106	1	Label common electrical/electronic components both physically and through schematic interpretation.	Active
			2	Describe basic electronic theory and electrical principles, and explain how motors, transformers, relays and test equipment are used in the electrical, electronic, and instrumentation field.	Active
			3	Given a reference sheet, label all instrument symbols and instrument identification.	Active
			4	Identify instruments and control systems both physically and through schematic interpretation.	Active
			5	List and describe the operation of electrical motors, control systems, and PID loops.	Active
			6	List and describe in detail the three main components of a SCADA system and how each system operates.	Active
	Introduction to Membrane Plant	WWTR 268	1	Describe the variety of membranes used in potable water treatment plants and explain the basic function of each.	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Operation	WWTR 268	1	Describe the variety of membranes used in potable water treatment plants and explain the basic function of each.	Active
			2	Explain the how the physical and chemical characteristics of water affect membrane function and finished water quality.	Active
			3	Explain the purpose of pre and post treatment chemicals and demonstrate through testing the ability to accurately perform mathematical calculations and conversions.	Active
			4	Demonstrate through testing knowledge of the typical equipment and control processes found in membrane treatment plants.	Active
	Introduction to Water Resources Management	WWTR 103	1	Describe the essential uses of water and the developed water supply infrastructure involved in providing drinking water to San Diego region and the state of California.	Active
			2	Describe the various issues facing the water industry, and the political and organizational structures and agencies involved in providing water to the San Diego region and the state of California.	Active
			3	Compare and contrast the sources of wastewater, the major collection and transportation networks, and the major wastewater treatment and reclamation facilities operating in San Diego County.	Active
			4	Identify the major regulatory agencies that monitor and regulate the water & wastewater industries in San Diego County and the state of California	Active
			5	Explain how the carbon footprint of the existing water and wastewater infrastructure significantly impacts California's energy supply and power demands, and describe the alternative resource recovery and treatment methods available to mitigate that impact	Active
	Irrigation System Design	OH 238	1	Produce irrigation design sets for landscape areas using the proper types of irrigation systems (sprinkler or drip irrigation).	Active
			2	Calculate the total system pressure requirement for a landscape irrigation project.	Active
			3	Evaluate various installation options to determine which is the most economically feasible.	Active
	Laboratory Analysis for	WWTR 110	1	Identify equipment used in the elementary analysis of	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Water/Wastewater	WWTR 110	1	water/wastewater quality	Active
			2	Properly identify and use appropriate chemical and microbiological terminology.	Active
			3	Perform basic calculations associated with a water/wastewater laboratory.	Active
			4	Perform basic physical and analytical techniques common in a water/wastewater laboratory.	Active
			5	Prepare basic solutions and microbiological media.	Active
			6	Demonstrate knowledge of the nature and behavior of microorganisms	Active
	Landscape Construction: Concrete and Masonry	OH 220	1	Cite specific portions of laws pertaining to landscape contracting	Active
			2	Prepare proper concrete mixes and pour a concrete pad.	Active
			3	Perform proper masonry techniques including those for brick, block or stone masonry	Active
	Landscape Construction: Irrigation and Carpentry	OH 221	1	Interpret landscape, drainage, construction plans and details for decks, overheads and fences in order to construct or install various hardscape and irrigation components used in residential and commercial landscapes.	Active
			2	Evaluate proper installation methods for remote control valves and control clocks.	Active
			3	Install irrigation system components including: sprinklers, drip emitters, pipe, valves and controllers.	Active
			4	Analyze and solve problems related to remote control valves and control clocks.	Active
			5	Perform safe operation of common equipment related to construction of decks, overhead structures, fences and gates.	Active
			6	Describe code and design requirements for installation of irrigation and drainage systems and construction of decks, overhead structures, fences and gates.	Active
			7	Develop materials lists from landscape plans for construction of decks, overhead structures, fences and gates	Active
	Landscape Water Management	OH 250	1	Demonstrate an understanding of the data inputs and calculations for base irrigation schedules.	Active
			2	Apply the basic principles of irrigation system performance surveys.	Active
	Mechanical	WWTR 134	1	Identify major components of common pumping equipment	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
	Maintenance	WWTR 134	1	used in the water/wastewater industry.	Active
			2	Define mechanical terminology as it relates to water/wastewater transmission and treatment equipment.	Active
			3	Demonstrate knowledge of the pertinent information contained in maintenance manuals including the proper interpretation of charts and graphs.	Active
			4	Demonstrate knowledge of how oils and lubricants are properly selected, used and evaluated for performance.	Active
			5	Define preventative maintenance and describe how its benefits for each major class of equipment.	Active
			6	Identify steps involved in identifying and diagnosing equipment malfunctions.	Active
			7	Compare and contrast the function of a variety of sensing devices (e.g., heat sensor, machine alignment, vibration monitors and pressure gauges).	Active
	Plant Materials: Trees and Shrubs	OH 170	1	Based on nomenclature method learned in class, correctly spell the botanical and common name of 30 out of a possible 125 trees and shrubs presented, and identify them by sight.	Active
			2	Describe the important cultural characteristics of 30 out of a possible 125 trees and shrubs	Active
	Principles and Practices of Water Conservation	WWTR 105	1	Identify the major issues confronting the California water supply industry, the key stakeholders in the issues, and discuss the range of solutions that have been proposed to solve the problems.	Active
			2	Explain why water conservation efforts are shifting from indoor water conservation measures to outdoor water uses, and describe which areas in residential and commercial developments have the greatest potential for wasting water.	Active
			3	Describe the regulatory framework that guides water conservation practices, the key elements of a water audit, and the key elements related to the design and management of successful conservation programs.	Active
			4	List the key elements of Xeriscape and natural landscape design and describe its use with water conservation programs.	Active
			5	Demonstrate knowledge in water conservation principles and practices sufficient to complete the California/Nevada Section American Water Works Association Water Efficiency Use Grade 1 Certification application form.	Active

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	Principles of Landscape Irrigation	OH 235	1	Demonstrate an understanding of water pressure and pressure loss in landscape irrigation systems.	Active
			2	Determine the design capacity for landscape irrigation systems.	Active
			3	Demonstrate knowledge of standard landscape irrigation components.	Active
	Soils	OH 140	1	Describe soil physical characteristics including texture, structure and morphology.	Active
			2	Describe soil chemical properties and how to manage soil chemical problems. Including soil pH and salinity.	Active
			3	Determine the proper mineral nutrition of plants and the proper calibration and application of fertilizers.	Active
	Sustainable Urban Landscape Principles and Practices	OH 255	1	Demonstrate an understanding of sustainable landscape design principles.	Active
			2	Demonstrate an understanding of sustainable landscape maintenance practices.	Active
			3	Demonstrate an understanding of sustainable landscape construction practices.	Active
	Turf and Ground Cover Management	OH 174	1	Identify the important turf grasses and ground covers of California	Active
			2	Demonstrate the proper cultural practices for the above grasses and ground covers	Active
			3	Identify the important diseases and pests and determine their control	Active
			4	Identify the economically important weeds in California	Active
			5	Demonstrate the proper use and maintenance of common turf equipment	Active
			6	Select alternate ground covers in place of turf	Active
	Wastewater Collection Systems	WWTR 132	1	Understand terminology common to wastewater collection system design, components, inspection, quality control and monitoring.	Active
			2	Identify the various types of pipe, fittings, and appurtenant structures used in a wastewater collection system.	Active
			3	Describe at least nine basic methods used to clean and maintain wastewater collections systems.	Active
			4	Describe the types and operation of pump and valve systems commonly utilized in wastewater collection systems.	Active
			5	Describe in detail the trenching, shoring, backfill, pipe	Active

Unit Name	Course Name	Course ID	Course SLO Name	Course SLO	Course SLO Status
			5	installation, compaction, underground location, and leak detection methods commonly used in the field.	Active
	Wastewater Collection Systems II	WWTR 267	1	Identify the types and functions of major sewer lift station components.	Active
			2	Describe the primary types of pumps used in a wastewater collection system	Active
			3	List the common types of lift stations and describe how their design, operation and maintenance differ from one another.	Active
			4	Identify the need for effective monitoring and administration of wastewater collection systems	Active
			5	Identify the major safety hazards associated with operating and maintaining a wastewater collection system and the procedures necessary to mitigate or minimize these hazards.	Active
	Wastewater Reclamation and Reuse	WWTR 115	1	Explain the concept of total resource recovery as it relates to wastewater reclamation and reuse.	Active
			2	List key water quality differences between wastewater, reclaimed and potable waters based on health and safety guidelines.	Active
			3	Explain the primary regulations that govern reclaimed water uses in San Diego County based on health and safety guidelines.	Active
			4	Identify wastewater reclamation treatment facilities and reclaimed water distribution systems near Cuyamaca College and throughout San Diego County.	Active
			5	Describe how installation of residential grey water recovery systems can reduce water and wastewater flows.	Active
			6	Describe the major processes involved in the operation of a wastewater reclamation plant.	Active
			7	Identify at least 5 key issues which stand in the way of widespread public acceptance of wastewater reclamation and reuse in our area.	Active
	Water Distribution Systems	WWTR 130	1	Identify the various sources of water available for use in water distribution systems and the characteristics that determine the waters suitability for use in a potable water supply system.	Active
			2	Perform calculations and solve problems commonly encountered in water distribution systems, such as volumes, flow rates, velocities, pressures, and chemical dosage.	Active
			3	Demonstrate knowledge of safety hazards and safety measures related to working in water distribution systems.	Active
			4	Identify and describe the use and selection of common water distribution system components including pumps, motors, tanks, pipe, laterals, meters, valves, and control systems.	Active

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	Water Distribution Systems II	WWTR 265	1	Interpret public health standards applicable to water supply including drinking water standards, cross connection control and back-flow prevention.	Active
			2	Perform complex mathematical calculations and conversions relating to volumes, flow rates, velocities, pressure, hydrostatic force, chlorine dosage and meter accuracy.	Active
			3	Identify the proper methods to select, handle, install, repair, maintain and disinfect pipe, understand the different types of meters and their applications, explain pumping operations and assess common pump problems, knowledge of control systems and SCADA systems, comprehension of chlorine delivery systems and safe handling of chlorine.	Active
			4	Demonstrated familiarity with safety hazards, safety regulations and safe work practices, understanding of the principals of management, organization and leadership techniques, knowledge of the principals of emergency response planning and operations and hazard and vulnerability assessment of water distributions systems and facilities.	Active
	Xeriscape: Water Conservation in the Landscape	OH 102	1	Describe the seven steps of xeriscape in landscape water conservation as it relates to residential and commercial designs and maintenance.	Active
			2	Describe the effects of different landscape styles on water use of the landscape.	Active
			3	Identify the uses of different irrigation systems in regards to water conservation.	Active