



C U Y A M A C A  
· C O L L E G E ·

# Addendum to the 2011-2012 Catalog

## **ADDITIONS:**

### **CADD TECHNOLOGY 129 – ENGINEERING SOLID MODELING**

Prerequisite: “C” grade or higher or “Pass” in CADD 115 or ENGR 100 or equivalent

Corequisite: None

Recommended Preparation: None

2 hours lecture, 4 hours laboratory, 3 units

Advanced 3D computer-aided mechanical design and drafting. This parametric modeling course provides skills and knowledge of appropriate software (Pro/Engineer) and feature-based part construction using extrudes, cuts, revolves, lofts and sweeps. Students will enhance their skills in model assembly and assembly drawings including proper organization and layout of component drawing views, dimensioning and tolerancing, sectioning and detailing. *Also listed as ENGR 129. Not open to students with credit in ENGR 129.*

### **ENGINEERING 129 – ENGINEERING SOLID MODELING**

Prerequisite: “C” grade or higher or “Pass” in CADD 115 or ENGR 100 or equivalent

Corequisite: None

Recommended Preparation: None

2 hours lecture, 4 hours laboratory, 3 units

Advanced 3D computer-aided mechanical design and drafting. This parametric modeling course provides skills and knowledge of appropriate software (Pro/Engineer) and feature-based part construction using extrudes, cuts, revolves, lofts and sweeps. Students will enhance their skills in model assembly and assembly drawings including proper organization and layout of component drawing views, dimensioning and tolerancing, sectioning and detailing. *Also listed as CADD 129. Not open to students with credit in CADD 129.*

## **MODIFICATIONS:**

### **ENGLISH 120 – COLLEGE COMPOSITION AND READING**

Prerequisite: “C” grade or higher or “Pass” in ENGL 109 or 110 or ESL 119 or equivalent or assessment

### **ENGLISH 126 – CREATIVE WRITING**

Prerequisite: “C” grade or higher or “Pass” in ENGL 109 or 110 or equivalent or assessment into ENGL 120

### **EXERCISE SCIENCE 250 – INTRODUCTION TO KINESIOLOGY**

3 hours lecture, 3 units

Introduction to the interdisciplinary approach to the study of human movement. An overview of the concepts within and importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, dietetic, and fitness professions.



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# Addendum

## 2011-2012 Catalog

### Corrections to the Catalog:

Page 31: **Minimum Load Requirements**

4. Enrollment verifications for insurance benefits that a student is attending full-time. Requirement: 12 or more units a semester or 6 or more units for summer session.

Page 70: **University Studies, Emphasis in Science and Mathematics**

Math 170\* (*this course is not UC-transferable*)

Page 84: **BOT 105 - DATA ENTRY SKILLS**

Prerequisite: "C" grade or higher or "Pass" in BOT 100 or equivalent.  
Recommended Preparation: Grade of "Pass" in BOT 096 or equivalent.

Page 112: **GD 230 - GRAPHIC DESIGN WORK EXPERIENCE**

CSU (*this course is CSU-transferable*)

### Additions to the Catalog:

Page 131:

**WWTR 103 - INTRODUCTION TO WATER RESOURCES MANAGEMENT**

**3 UNITS**

Prerequisite: None  
Corequisite: None  
Recommended Preparation: None  
3 hours lecture

With the ever-increasing demand for a safe and reliable supply of potable water, combined with decreasing supplies and over commitments of our existing water resources, we are facing a serious water crisis in the western United States. This course explores the history and development of California water resources, legal and financial issues, water portfolio diversification, role of groundwater recharge and management, wastewater reclamation and reuse, desalination, and energy conservation.

CSU

**WWTR 105 - PRINCIPLES AND PRACTICES OF WATER CONSERVATION**

**3 UNITS**

Prerequisite: None  
Corequisite: None  
Recommended Preparation: None  
3 hours lecture

This course provides theoretical and practical training in applied water use efficiency and a foundation in the need for and major components of comprehensive water conservation programs. Topics include residential, commercial, and landscape customers, water uses, budgets, demand management, water audits, Best Management Practices, rate structures, program design and management.

CSU

**WWTR 115 - WASTEWATER RECLAMATION AND REUSE**

**3 UNITS**

Prerequisite: None  
Corequisite: None  
Recommended Preparation: None  
3 hours lecture

This course covers the fundamentals of wastewater reclamation and reuse. Topics include the history of wastewater treatment and reclamation; total resource recovery including bio-solids/biogas harvesting; planning, design, and construction of reclamation plant and reclaimed wastewater distribution. Problems regarding regulations, marketing, and public perception of using reclaimed wastewater will be discussed, along with public safety issues.

CSU

# Cuyamaca College

## GAINFUL EMPLOYMENT PROGRAM DISCLOSURE

### 2010-2011

*Federal regulations require higher education institutions to disclose information regarding the success of its students in certificate programs that lead to employment. The information includes graduation rates, estimated education costs, median debt of students who completed programs, and other information designed to help students make better-informed choices about colleges and universities they select.*

Program	Program Level and Length					Related Occupations (SOC)	Estimated Cost				Debt at Program Completion					Program Completion in Normal Time	
	Units	Approx. Hours	CIP	Program Level	Program Length (Months)		Mandatory Fees*	Materials or Required Class Fees	Books & Supplies**	Total Estimated Cost	Number Completers	Number Completers w/Debt ***	Median Cumulative Federal Student Loan Debt***	Median Cumulative Private Loan Debt***	Median Cumulative Institutional Financing Plan Debt***	Months	Number of Completers w/in Normal Time***
<b>ACCOUNTING</b>																	
Accounting	33	592	52.0302	01	24	13-2011: Accountants and Auditors	\$938	\$0	\$3,000	\$3,938	11	2	0	0	0	24	0
Bookkeeping	21	432		01	24	13-2082: Tax Preparers 13-2031: Budget Analysts 13-2041: Credit Analysts 13-2081: Tax Examiners, Collectors, and Revenue Agents 13-2082: Tax Preparers 43-3031: Bookkeeping, Accounting, and Auditing Clerks, 43-3051: Payroll and Timekeeping Clerks, 43-4011: Brokerage Clerks, 43-9111: Statistical Assistants	\$626	\$0	\$3,000	\$3,626						24	
<b>AUTOMOTIVE TECHNOLOGY</b>																	
Automotive Technology	44	1184	15.0803	01	24	49-3023: Automotive Service Technicians and Mechanics	\$1,224	\$0	\$3,000	\$4,224	5					24	
Advance Engine Performance and Emissions	25	720	47.0612	01	24	49-2093: Electrical and Electronics Installers and Repairers, Transportation Equip	\$730	\$0	\$3,000	\$3,730	3					24	
Brakes and Front-End	19	496	47.0604	01	24	49-2096: Electronic Equipment and Installers and Repairers, Motor Vehicles	\$574	\$0	\$3,000	\$3,574	1					24	
Engine Performance and Drive Train	18	464		01	24		\$548	\$0	\$3,000	\$3,548	1					24	

**Cuyamaca College - GAINFUL EMPLOYMENT PROGRAM DISCLOSURE - 2010-2011**

Program	Program Level and Length					Related Occupations (SOC)	Estimated Cost				Debt at Program Completion					Program Completion in Normal Time		
	Units	Approx. Hours	CIP	Program Level	Program Length (Months)		Mandatory Fees*	Materials or Required Class Fees	Books & Supplies**	Total Estimated Cost	Number Completers	Number Completers w/Debt ***	Median Cumulative Federal Student Loan Debt***	Median Cumulative Private Loan Debt***	Median Cumulative Institutional Financing Plan Debt***	Months	Number of Completers w/in Normal Time***	
<b>BUSINESS</b>																		
Business Administration	31	544	52.0299	01	24	11-3011: Administrative Service Managers	\$886	\$0	\$3,000	\$3,886	18	0	0	0	0	24	4	
Business-General	31	528	52.0101	01	24	13-1051: Cost Estimators 11-1021: General and Operations Managers 11-3051: Industrial Production Managers 13-1111: Management Analysts 11-2022: Sales Managers 11-9151: Social and Community Service Managers 11-3071: Transportation, Storage and Distribution Managers	\$886	\$0	\$3,000	\$3,886	2					24		
Business Data Management	32	768	52.0201	01	24	15-1141: Database Administrators	\$912	\$0	\$3,000	\$3,912	0					24		
Database Administration	15	400	52.0201	01	18		\$450	\$0	\$2,250	\$2,700		18						
<b>BUSINESS OFFICE TECHNOLOGY</b>																		
Business Office Technology	25	640	52.0401	01	24	43-6011: Executive Secretaries and Administrative Assistants 43-6014: Secretaries, Except Legal, Medical and Executive 15-1199: Computer Occupations, All Other	\$730	\$0	\$3,000	\$3,730	4					24		
Administrative Assistant	30	800	52.0401	01	24		\$860	\$0	\$3,000	\$3,860		24						
Office Assistant Level I	9	400	52.0401	01	9		\$274	\$0	\$1,500	\$1,774		9						
Office Assistant Level II	9	256	52.0401	01	9		\$274	\$0	\$1,500	\$1,774		9						
Office Professional	14	384	52.0401	01	18		\$424	\$0	\$2,250	\$2,674		18						
Office Software Specialist Level I	9	240	52.0401	01	9		\$274	\$0	\$1,500	\$1,774		9						
Office Software Specialist Level II	12	416	52.0401	01	18		\$372	\$0	\$2,250	\$2,622		18						
Executive Assistant	26	608	52.0402	01	24		\$756	\$0	\$3,000	\$3,756		1					24	
<b>CADD TECHNOLOGY</b>																		
Building Design Industry	24	768	15.1302	01	24	17-3011: Architectural and Civil Drafters	\$704	\$0	\$3,000	\$3,704	1					24		
Manufacturing Industry	21	672		01	24	17-3019: Drafters, All Other	\$626	\$0	\$3,000	\$3,626	5					24		

**Cuyamaca College - GAINFUL EMPLOYMENT PROGRAM DISCLOSURE - 2010-2011**

Program	Program Level and Length					Related Occupations (SOC)	Estimated Cost				Debt at Program Completion					Program Completion in Normal Time	
	Units	Approx. Hours	CIP	Program Level	Program Length (Months)		Mandatory Fees*	Materials or Required Class Fees	Books & Supplies**	Total Estimated Cost	Number Completers	Number Completers w/Debt ***	Median Cumulative Federal Student Loan Debt***	Median Cumulative Private Loan Debt***	Median Cumulative Institutional Financing Plan Debt***	Months	Number of Completers w/in Normal Time***
<b>CHILD DEVELOPMENT</b>																	
Infants and Toddlers	38	608	19.0709	01	24	39-9011: Child Care Workers	\$1,068	\$0	\$3,000	\$4,068	20	2	0	0	0	24	0
Preschool Children	38	608		01	24		\$1,068	\$0	\$3,000	\$4,068						24	
School Age Child Care	24	384		01	24		\$704	\$0	\$3,000	\$3,704						24	
Early Childhood Intervention	15	240		01	18		\$450	\$0	\$2,250	\$2,700						18	
Recreational Leadership- Outdoor	13	208		01	18		\$398	\$0	\$2,250	\$2,648						18	
<b>COMPUTER &amp; INFORMATION SCIENCE</b>																	
Computer Network Administration	37	960	11.0101	01	24	11-3021: Computer and Information Systems Managers 15-1142: Network and Computer Systems Administrator 15-1131: Computer Programmers 15-1152: Computer Network Support Specialists	\$962	\$40	\$3,000	\$4,002	0					24	
							CIS 120, 121 - \$40										
Web Development	36	928	11.0801	01	24	11-3021: Computer and Information Systems Managers 15-1131: Computer Programmers	\$936	\$0	\$3,000	\$3,936	0					24	
Cisco Systems	12	320	11.0103	01	18	11-3021: Computer and Information Systems Managers 15-1142: Network and Computer Systems Administrator	\$372	\$0	\$2,250	\$2,622	0					18	
Computer Programming	16	384	11.0201	01	18	15-1131: Computer Programmers 15-1152: Computer Network Support Specialists	\$476	\$0	\$2,250	\$2,726	0					18	
Network Servicing Technology	15	400	11.0901	01	18	11-3021: Computer and Information Systems Managers 15-1142: Network and Computer Systems Administrator 15-1152: Computer Network Support Specialists	\$450	\$40	\$2,250	\$2,740	0					18	
								CIS 120, 121 - \$40									

**Cuyamaca College - GAINFUL EMPLOYMENT PROGRAM DISCLOSURE - 2010-2011**

Program	Program Level and Length					Related Occupations (SOC)	Estimated Cost				Debt at Program Completion					Program Completion in Normal Time	
	Units	Approx. Hours	CIP	Program Level	Program Length (Months)		Mandatory Fees*	Materials or Required Class Fees	Books & Supplies**	Total Estimated Cost	Number Completers	Number Completers w/Debt ***	Median Cumulative Federal Student Loan Debt***	Median Cumulative Private Loan Debt***	Median Cumulative Institutional Financing Plan Debt***	Months	Number of Completers w/in Normal Time***
Operating Systems	12	320	11.1001	01	18	11-3021: Computer and Information Systems Managers 15-1142: Network and Computer Systems Administrators 15-1131: Computer Programmers	\$372	\$0	\$2,250	\$2,622	0				18		
Telecommunications Servicing Technology	15	400	11.0901	01	18	11-3021: Computer and Information Systems Managers 15-1142: Network and Computer Systems Administrator 15-1131: Computer Programmers 15-1152: Computer Network Support Specialists	\$450	\$95 CIS 120, 121 - \$40 CIS 161 - \$45	\$2,250	\$2,795	0				18		
Web Design	15	400	11.0801	01	18	15-1134: Web Developers 15-1131: Computer Programmers	\$450	\$0	\$2,250	\$2,700	0				18		
Web Programming	16	384	11.0801	01	18	15-1134: Web Developers 15-1131: Computer Programmers 15-1152: Computer Network Support Specialists	\$476	\$0	\$2,250	\$2,726	0				18		
Web Server Management	15	400	52.1201	01	18	11-3021: Computer and Information Systems Managers 15-1142: Network and Computer Systems Administrators 15-1152: Computer Network Support Specialists	\$450	\$0	\$2,250	\$2,700	0				18		
<b>ENTREPRENEURSHIP-SMALL BUS MGMT</b>																	
Entrepreneurship-Small Business Management	25	448	52.0701	01	24	11-1011: Chief Executives 11-1021: General & Operations Managers 11-9199: Managers, All Other	\$730	\$0	\$3,000	\$3,730	2				24		
<b>ENVIRONMENTAL HEALTH &amp; SAFETY MGMT</b>																	
Environmental Technician	29	496	15.0507	01	24	17-3025: Environmental Engineering Technicians	\$834	\$0	\$3,000	\$3,834	1				24		
Occupational Safety and Health (OSH) Technician	30	544	15.0701	01	24	29-9011: Occupational Health & Safety Specialists & Technicians 47-4041: Hazardous Materials Removal Workers	\$860	\$0	\$3,000	\$3,860	5				24		

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	Units	Approx. Hours	CIP	Program Level	Program Length (Months)		Mandatory Fees*	Materials or Required Class Fees	Books & Supplies**	Total Estimated Cost	Number Completers	Number Completers w/Debt ***	Median Cumulative Federal Student Loan Debt***	Median Cumulative Private Loan Debt***	Median Cumulative Institutional Financing Plan Debt***	Months	Number of Completers w/in Normal Time***
<b>EXERCISE SCIENCE</b>																	
Recreational Leadership-School-Based Programs	13	208	19.0709	01	18	39-9011: Child Care Workers	\$398		\$2,250	\$2,648	0					18	
<b>GRAPHIC DESIGN</b>																	
Graphic Design	36	976	50.0409	01	24	27-1024: Graphic Designers	\$1,016	\$0	\$3,000	\$4,016	12	0	0	0	0	24	0
Digital Photography	15	400		01	18		\$450	\$0	\$2,250	\$2,700						18	
Web Graphics	15	400		01	18		\$450	\$0	\$2,250	\$2,700						18	
<b>MANAGEMENT</b>																	
Management	33	560	52.0201	01	24	11-1021: General & Operations Managers 11-2022: Sales Managers 11-3051: Industrial Production Managers 11-3071: Transportation, Storage and Distribution Managers 11-9021: Construction Managers 11-9151: Social and Community Service Managers 11-9199: Managers, All Other	\$938	\$0	\$3,000	\$3,938	1					24	
<b>ORNAMENTAL HORTICULTURE</b>																	
Arbiculture	33.5	768	01.0603	01	24	11-9013: Farmers, Ranchers, and Other Agricultural Managers 37-3012: Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$951	\$0	\$3,000	\$3,951	1					24	
Floral Design	33	768	01.0606	01	24	11-9013: Farmers, Ranchers, and Other Agricultural Managers 27-1023: Floral Designers	\$938	\$350	\$3,000	\$4,288	1					24	
						OH114, OH117 - \$150 OH116, OH118, OH119- \$200											
Golf Course and Sports Turf Management	36	800	01.0607	01	24	11.9199: Managers, all other 37-1012: First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	\$1,016	\$0	\$3,000	\$4,016	2					24	

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	Units	Approx. Hours	CIP	Program Level	Program Length (Months)		Mandatory Fees*	Materials or Required Class Fees	Books & Supplies**	Total Estimated Cost	Number Completers	Number Completers w/Debt ***	Median Cumulative Federal Student Loan Debt***	Median Cumulative Private Loan Debt***	Median Cumulative Institutional Financing Plan Debt***	Months	Number of Completers w/in Normal Time***
Irrigation Technology	33	752	01.0699	01	24	11-9013: Farmers, Ranchers, and Other Agricultural Managers 37-3012: Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$938	\$0	\$3,000	\$3,938	2					24	
Landscape Design	37	800	01.0605	01	24	17-1012: Landscape Architects	\$1,042	\$0	\$3,000	\$4,042	3					24	
Landscape Technology	33	752	01.0605	01	24	17-1012: Landscape Architects	\$938	\$0	\$3,000	\$3,938	1					24	
Nursery Technology	33	720	1.0606	01	24	11-9013: Farmers, Ranchers, and Other Agricultural Managers 37-3012: Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$938	\$0	\$3,000	\$3,938	1					24	
Sustainable Urban Landscapes	35.5	816	04.0401	01	24	11-9013: Farmers, Ranchers, and Other Agricultural Managers	\$1,003	\$0	\$3,000	\$4,003	0					24	
<b>REAL ESTATE</b>																	
Real Estate	26	416	52.1501	01	24	11-9141: Property and Community Association Managers 41-9021: Real Estate Brokers 41-9022: Real Estate Sales Agents	\$756	\$0	\$3,000	\$3,756	4					24	
Escrow	26	416		01	24		\$756	\$0	\$3,000	\$3,756	0						24
<b>SURVEYING</b>																	
Surveying	27	704	15.1102	01	24	17-1022: Surveyors 17-3031: Surveying & Mapping Technicians	\$782	\$0	\$3,000	\$3,782	0					24	
<b>WATER/WASTEWATER TECHNOLOGY</b>																	
Cross Connection Control Systems	30	496	15.0506	01	24	51-8031: Water & Liquid Waste Treatment Plant & Systems Operator	\$860	\$0	\$3,000	\$3,860	33	1	0	0	0	24	2
Water Distribution Systems	30	496		01	24		\$860	\$0	\$3,000	\$3,860						24	
Water Treatment Plant Operator	32	528		01	24		\$912	\$0	\$3,000	\$3,912						24	
Wastewater Collection Systems	30	496		01	24		\$860	\$0	\$3,000	\$3,860						24	
Wastewater Treatment Operator	32	528		01	24		\$912	\$0	\$3,000	\$3,912						24	

**\* Mandatory Fees Breakdown**  
 Enrollment Fee: \$26/unit  
 Health Fee: \$14/semester  
 Student Ctr Constr Fee: \$5 max per semester  
 Student Rep Fee: \$1/semester  
 Total for 24 mos: \$80  
 Total for 18 mos: \$60  
 Total for 09 mos: \$40

**\*\*Books & Supplies**  
 \$750/semester  
 Total for 24 mos: \$3000  
 Total for 18 mos: \$2250  
 Total for 09 mos: \$1500

**\*\*\*Note:** For privacy reasons, numbers of completers with debt, median debt amounts and on-time completion rates are included only if 10 or more students completed the program with the same CIP code during the award year.