

**PASADENA CITY COLLEGE
CURRICULUM AND INSTRUCTION COMMITTEE
MINUTES OF MEETING
THURSDAY, NOVEMBER 12, 2020**

CALLED TO ORDER: 1:16 p.m.

CO-CHAIRPERSONS: John Hanley
Sharon Bober

The following Curriculum and Instruction Committee members were present:

FACULTY CHAIRPERSONS

John Hanley
Sharon Bober

INSTRUCTIONAL UNITS

Salvador Diaz, Business, Engineering & Technology
Jeff Hupp, Counseling & Career Services
Manuel Perea, English
Sebrenia Law, Health Sciences
Mike Terrill, Kinesiology, Health and Athletics
Maria Pehlivanova, Languages
Walter Butler, Library
Linda Hintzman, Mathematics and Computer Science
Erika Catanese, Natural Sciences
Henry Shin, Performing & Communication Arts
Bakhtawar Bhadha, Social Sciences
Daisuke Yamaguchi, Visual Arts & Media Studies

DIVISION DEANS

Dyan Miller
Natalie Russell
Carrie Starbird
Liesel Reinhart

RESOURCE EXPERTS

Matt Henes, President, Academic Senate

MEMBERS EX-OFFICIO

Sharis Amirian, Articulation Officer
Armando Duran, Dean, Counseling &
Student Success Services
Karol Lu, Senator, Classified Senate

VISITORS

In accordance with the Ralph M. Brown Act and SB 751, the minutes of the Curriculum and Instruction Committee of Pasadena City College record the votes of all committee members as follows: (1) Members not present are presumed not to have voted; (2) the names of members of minority or abstaining votes are recorded; (3) all other members are presumed to have voted in the majority.

Joseph Futtner
Jane Tsao
Micah Young
Pamela Eversole-Cire
Tanysha Laney
Melissa Anderson

I. WELCOME

Self-introductions were made.

II. PUBLIC COMMENT

None.

III. APPROVAL OF MINUTES

Meeting Minutes for November 5, 2020.

ON MOTION by Linda Hintzman and seconded by Manuel Perea, the committee approved the minutes from meeting 11 by unanimous consent.

IV. COMMITTEE DISCUSSION

ON MOTION by Henry Shin and seconded by Manuel Perea, the committee approved by unanimous consent the addition of BUILDING CONSTRUCTION INSPECTION – CERTIFICATE OF ACHIEVEMENT.

ON MOTION by Linda Hintzman and seconded by Maria Pehlivanova, the committee approved by unanimous consent the addition of BUILDING CONSTRUCTION PROJECT MANAGEMENT – AS / CERTIFICATE OF ACHIEVEMENT.

ON MOTION by Erika Catanese and seconded by Maria Pehlivanova, the committee approved by unanimous consent the addition of SUSTAINABLE BUILDING CONSTRUCTION – AS / CERTIFICATE OF ACHIEVEMENT.

ON MOTION by Erika Catanese and seconded by Henry Shin, the committee approved by unanimous consent the addition of WELDING FABRICATION – AS / CERTIFICATE OF ACHIEVEMENT.

ON MOTION by Maria Pehlivanova and seconded by Manuel Perea, the committee approved by unanimous consent the modifications of CIS 042, CIS 112D, and CIS 164.

ON MOTION by Erika Catanese and seconded by Henry Shin, the committee approved by unanimous consent the Distance Education renewals of CIS 014, CIS 016, CIS 042, CIS 065, CIS 112, CIS 112D, CIS 164, CIS 192, and CIS 193.

ON MOTION by Manuel Perea and seconded by Erika Catanese, the committee voted on the modification of ENGL 009. MOTION FAILED (YES = 7, NO = 4, ABSTAIN = 5)

ON MOTION by Sebrenia Law and seconded by Maria Pehlivanova, the committee approved by unanimous consent the addition of NURS 208.

ON MOTION by Sebrenia Law and seconded by Linda Hintzman, the committee approved by unanimous consent the addition of Distance Education to NURS 208.

ON MOTION by Sebrenia Law and seconded by Erika Catanese, the committee approved by unanimous consent the modification of DA 123A.

ON MOTION by Sebrenia Law and seconded by Daisuke Yamaguchi, the committee approved by unanimous consent the addition of Distance Education to DA 123A.

ON MOTION by Erika Catanese and seconded by Karol Lu, the committee approved by unanimous consent the modifications of BIOL 104A and BIOL 104B.

ON MOTION by Erika Catanese and seconded by Karol Lu, the committee approved by unanimous consent the modifications of BIOL 104C and BIOL 104D.

ON MOTION by Erika Catanese and seconded by Karol Lu, the committee approved by unanimous consent the modifications of the prerequisites of BIOL 104C and BIOL 104D.

ON MOTION by Henry Shin and seconded by Maria Pehlivanova, the committee approved by unanimous consent the modification of TVR 002A.

ON MOTION by Bakhtawar Bhadha and seconded by Maria Pehlivanova, the committee approved by unanimous consent the modification of HUM 001.

ON MOTION by Bakhtawar Bhadha and seconded by Sharis Amirian, the committee approved by unanimous consent the additions of Distance Education to HUM 001 and PSYC 003.

ON MOTION by Liesel Reinhart and seconded by Daisuke Yamaguchi, the committee approved by unanimous consent the addition of CINEMA – CINEMA PRODUCTION/FILMMAKING – OCCUPATION SKILLS CERTIFICATE.

ON MOTION by Daisuke Yamaguchi and seconded by Manuel Perea, the committee approved by unanimous consent the addition of Distance Education to JOUR 002.

ON A RECONSIDERED MOTION by Manuel Perea and seconded by Bakhtawar Bhadha, the committee voted and approved by unanimous consent the modification of ENGL 009.

ON MOTION by Manuel Perea and seconded by Daisuke Erika Yamaguchi, the committee approved by unanimous consent the addition of Distance Education to ENGL 009.

The committee reviewed and discussed the following:

Update to Local Degrees
Area F in CSU GE

V. ANNOUNCEMENTS

Sharon Bober announced that since the agenda for the last Board of Trustees meeting needs to be submitted by 12/1 at the very latest, there is a possibility the last C&I meeting may need to be moved to Monday, November 30 or Tuesday, December 1 in case we have last minute voting. A Doodle poll will be sent to members to help determine availability and scheduling.

VI. ADJOURNMENT

BY UNANIMOUS CONSENT, the committee approved to adjourn the meeting at 4:00 p.m.

ADDENDUM

BUSINESS AND COMPUTER TECHNOLOGY

ADDITION – Effective Summer 2021

Building Construction Inspection – Certificate of Achievement

17 units

The Building Construction Inspection Program is designed to equip and prepare those enrolled to apply for the position of a building inspector. Candidates will gain vast knowledge of the responsibilities and duties one must perform as a building inspector or code enforcement officer, from effective communication skills, awareness of workplace safety requirements, to a deep comprehension of the intent of the building code and how it applies to both residential and commercial structures.

Upon successful completion of the Building Construction Inspection Certificate of Achievement, completers will be better prepared to take the International Code Council's (ICC) Residential Building Inspector B1 examination, a national certification that is recognized in all U.S. jurisdictions. This is considered a Career and Technical Education (CTE) program which provides students with the skills required to safely and effectively be employed as a building inspector or code enforcement officer for Los Angeles Building and Safety (LADBS), Los Angeles County, or in other public and private settings.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Requirements for the Certificate of Achievement (17 units):

Required Courses

BLDG 212 – Print Reading for Construction (3)

BLDG 213 – Building Construction Codes and Standards (3)

BLDG 214 – Materials & Processes of Construction: Sub Grade to Roof Framing (3)

BLDG 223 – Principles of Plumbing Inspection (3)

BLDG 224 – Principles of Heating and Refrigeration Inspections (3)

ELTY 217 – Electrical Inspection and Codes (2)

Rationale: Pasadena City College's Building Construction Inspection program has been in close communication with the Los Angeles Department of Building and Safety (LADBS) and Los Angeles County with the intent of creating a partnership to fulfill our respective institutional goals. Research has shown that there is a great need for skilled building inspectors. With construction trends still on the rise, LADBS needs to expand its current yield for construction inspection and other construction related matters. The other fact in consideration is the anticipated departure of a large number of LADBS employees leaving for retirement within the next few years, leaving a wide array of positions available.

This expansion will be done with great consideration of the recommendations set forth by our continued communication with LADBS and LA County. The newly appointed general manager and superintendent of LADBS, Osama Younan, has been advised by Mayor Garcetti to create a taskforce with the immediate goal of hiring specifically African American and/or women as building inspectors for LADBS. They are looking to partner with accredited schools interested that already have a construction inspection program in place. We have been asked to join this taskforce and help create a network for LADBS to select individuals with completed certificates of achievement for employment. This partnership will greatly enhance the likelihood of students becoming gainfully employed in the construction industry. We will work closely with them and will adapt our program to best serve these goals.

ADDITION – Effective Summer 2021

Building Construction Project Management – Associate in Science, Certificate of Achievement 18 units

The Construction Project Management Program is designed to equip and prepare those enrolled to apply for the position of a project manager in the construction field. Candidates will gain vast knowledge of the responsibilities and duties one must perform as a construction project manager, from effective communication skills, understanding of sustainability practices, awareness of workplace safety requirements, and how to successfully manage, schedule, and estimate budgets for all types of construction projects.

Upon successful completion of the Construction Project Management Certificate of Achievement, completers will be prepared for the Leadership in Energy and Environmental Design (LEED) Green Associates exam, the first step towards becoming LEED Certified.

This is considered a Career and Technical Education (CTE) program which provides students with the skills required to safely and effectively be employed as project managers in both public and private settings.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Requirements for the Certificate of Achievement (18 units):

Required Courses

- BLDG 212 – Print Reading for Construction (3)
- BLDG 213 – Building Construction Codes and Standards (3)
- BLDG 214 – Materials & Processes of Construction: Sub Grade to Roof Framing (3)
- BLDG 218 – Inspection of Architectural Details (3)
- BLDG 219 – Legal Factors of Construction Inspection (3)
- BLDG 220 – Estimating for Building Construction (3)

Rationale: The Construction Project Management Certificate of Achievement will provide knowledge in on the best practices of design and construction, project management, scheduling,

estimating, contracts and business aspects of construction, and sustainable designs principles for construction management. The certificate program will be linked to the Building Construction Inspection program through three (3) pre-requisite core classes that all students within the newly expanded building construction program will take.

The attached documents have labor market data for jobs/careers in Construction Project Management. The data shows that jobs in the field are growing and the median compensation is higher than the entry level national average, with starting salaries ranging around 70K. Upon successful completion of the Building Construction Project Management Certificate of Achievement, graduates will be prepared for the Leadership in Energy and Environmental Design (LEED) Green Associates exam, the first step towards becoming LEED Certified and able to understand basic principles and concepts for simple project management task and will be prepared for employment as a trained project manager.

ADDITION – Effective Summer 2021

Sustainable Building Construction Inspection – Associate in Science, Certificate of Achievement

18 units

The Sustainable Building Construction program equips students with essential skills for pursuing a career in the fields of green building design, planning, construction and maintenance. Program curriculum will cover a contemporary range of building design strategies, sustainable development, and technologies, with an emphasis on those that reduce environmental impacts and make our buildings and communities healthier, equitable, and more livable.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Requirements for the Certificate of Achievement (18 units):

Required Courses

BLDG 212 – Print Reading for Construction (3)

BLDG 213 – Building Construction Codes and Standards (3)

BLDG 214 – Materials & Processes of Construction: Sub Grade to Roof Framing (3)

BLDG 222 – Sustainable Planning and Zoning Principles (3)

BLDG 225 – Green Building and Energy Efficiencies (3)

DT 110 – Sustainable Technologies (3)

Rationale: We are seeking to expand on the Building Construction Inspection program and create additional certificates to allow for multiple pathways within the construction industry, including project management, sustainability, and site supervision. The knowledge gained by our students in our current Building Construction Inspection program is extensive and should not be limited to simply a career as a Building Inspector/Code Enforcement. We are aiming to develop a Sustainability in Construction certificate of achievement as one of the paths students can choose. In

order to achieve all of this, we will be reviving and adding multiple new classes, hiring new adjuncts to instruct, and developing brand new curriculum for the new expansion certificates.

The Sustainability in Construction Certificate of Achievement will provide insight to the best practices of sustainable construction, including energy efficiency of building technologies, renewable energy systems, green building materials, environmental site design and development, and general sustainable design principles. This program will also explore how policies, codes, and standards can be used and modified to encourage sustainable planning, construction, and design practices. This new certificate program will be linked to the Building Construction Inspection program through three (3) pre-requisite core classes that all students within the newly expanded building construction program will take.

Upon successful completion of the Sustainability in Construction Certificate of Achievement, graduates will be prepared for the Leadership in Energy and Environmental Design (LEED) Green Associates exam, the first step towards becoming LEED Certified and able to understand basic principles and concepts for sustainability and will be prepared for several employment opportunities as energy auditors and managers, sustainable building specialists, zoning technicians, solar engineers, as well as sustainability-focused contractors and building professionals.

ADDITION – Effective Summer 2021

Welding Fabrication – Associate in Science, Certificate of Achievement

19 units

The Welding Fabrication Program prepares students to work in welding manufacturing, welding fabrication, and related industries. The curriculum includes courses in welding theory, principles, processes and evaluation of welds, fabrication techniques, blueprint reading, machining skills, technical mathematics, and allied equipment operations. Students will begin preparation for an LA City D1.1 Welding License.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Requirements for the Certificate of Achievement (19 units):

Required Courses

WELD 200A – Introduction to Structural Welding (6)

WELD 200C – Introduction to Fabrication GMAW & GTAW (6)

TECH 107A – Technical Calculations (3)

MACH 101 – Beginning Metalworking Skills (3)

MACH 110 – Blueprint Reading (1)

or DT 150 – Reading Engineering Drawings (1)

Rationale: Data shows that jobs in this field are growing and the median compensation is higher than the entry level national average. Students will be able to, upon successful completion of the Welding Fabrication Certificate of Achievement, receive the requisite industry credential and will be prepared for employment as a Los Angeles City Welder/Fabricator in public and private settings.

This program is designed to prepare students to work in welding manufacturing, welding fabrication, and related industries. The curriculum includes courses in welding theory, principles, processes and evaluation of welds, fabrication techniques, blueprint reading, machining skills, technical mathematics, and allied equipment operations. Students will begin preparation for an LA City D1.1 Welding License, a prestigious and valuable addition to their employment resume.

MODIFICATION – Distance Education renewal – Effective Summer 2021

CIS 014 C++ PROGRAMMING

3 units

Prerequisite: CIS 012 or equivalent.

Application development using C++ programming language. Coverage of object-oriented programming principles and techniques. Topics include C++ basics, control structures, functions, arrays, pointers, classes, overloading, data abstraction, encapsulation, inheritance, polymorphism, virtual functions, file processing, templates, exceptions, and STL (Standard Template Library). Preparation for the C++ Institute's C++ Certified Associate Programmer (CPA) and C++ Certified Professional Programmer (CPP) exams. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU; UC

Grade Mode: L

Rationale: To update certificate and Form D.

MODIFICATION – Distance Education renewal – Effective Summer 2021

CIS 016 JAVA PROGRAMMING

3 units

Prerequisite: CIS 012 or equivalent.

Application development using Java programming language. Coverage of object-oriented programming principles and techniques. Topics include Java basics, control structures, arrays, classes, methods, overloading, encapsulation, inheritance, polymorphism, collections, Lambda expressions, exceptions, Java I/O, Java API, and database applications. Preparation for the Oracle Certified Associate (OCA) – Java SE Programmer and Oracle Certified Professional (OCP) – Java SE Programmer exams. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU; UC

Grade Mode: L

Rationale: To update Form D.

MODIFICATION – title, catalog description, Distance Education renewal – Effective Summer 2021

CIS 042 CCNA: ROUTING, SWITCHING, AND WIRELESS ESSENTIALS

3 units

Prerequisite: CIS 041.

Configuring and troubleshooting enterprise networks. Topics include: static routing, Routing Information Protocol (RIP), Open Shortest Path First (OSPF), Virtual LANs (VLANs), Inter-VLAN routing, Spanning Tree Protocol (STP), Ether Channel, Dynamic Host Configuration Protocol

(DHCP), First-Hop Redundancy Protocol (FHRP), Access Control Lists (ACLs), Network Address Translation (NAT), and Wireless LAN (WLAN). Preparation for the CompTIA Network+, Cisco CCT Routing & Switching, and Cisco CCNA certification exams. No credit if taken after CIS 162. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU

Grade Mode: L

Rationale: To update course title, catalog description, certificate, and Form D.

MODIFICATION – Distance Education renewal – Effective Summer 2021

CIS 063 INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING

3 units

Prerequisites: CIS 061 or equivalent, and CIS 012 or equivalent.

Concepts, principles, and techniques for attacking and disabling a network within the context of properly securing a network. Emphasis on network attack methodologies and appropriate defenses and countermeasures. Preparation for the EC Council's Certified Ethical Hacking certification exam. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU

Grade Mode: L, A, P

Rationale: To update EMP, certificate, Form B, and Form D.

MODIFICATION – Distance Education renewal – Effective Summer 2021

CIS 065 DIGITAL FORENSICS FUNDAMENTALS

3 units

Prerequisite: CIS 061 or equivalent.

Methods used to properly conduct a computer forensics investigation based on objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Topics covered include an overview of computer forensics as a profession, the computer investigation process, ethics, operating systems boot processes and disk structures, data acquisition and analysis; technical writing, and computer forensics tools. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU

Grade Mode: L

Rationale: To update Form D.

MODIFICATION – Distance Education renewal – Effective Summer 2021

CIS 112 ADVANCED PROGRAMMING USING PYTHON

3 units

Prerequisite: CIS 012.

Application development using advanced Python programming techniques. Topics include the advanced Object-Oriented programming, advanced functions and modules, packages, process management, network programming, web programming, GUI (Graphical User Interface) programming, and testing principles and techniques. Preparation for the Python Institute Certified Associate in Python Programming (PCAP) and Python Institute Certified Professional in Python Programming (PCPP) exams. Total of 36 hours lecture and 54 hours laboratory.

Grade Mode: L

Rationale: To update certificate, textbook, and Form D.

MODIFICATION – title, SLOs, SPOs, MOIs, assignments, prerequisite, Distance Education renewal – Effective Summer 2021

CIS 112D DATA STRUCTURES AND ALGORITHMS

3 units

Prerequisite: CIS 014, CIS 016, or CIS 112.

Emphasizes the choice and application of data structures and efficient algorithms in implementing applications, covering the most commonly used data structures such as linked lists, stacks and queues, search trees, maps, hashing, priority queues, sorting, and graphs. Total of 36 hours lecture and 54 hours laboratory

Grade Mode: L

Rationale: To update course title, SLOs, SPOs, MOIs, assignments, prerequisite (addition of CIS 014 or CIS016), certificate, Form B, and Form D.

MODIFICATION – title, Distance Education renewal – Effective Summer 2021

CIS 164 CCNA: ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION

3 units

Prerequisite: CIS 042.

Configuring and troubleshooting enterprise networks. Topics include: Point-to-Point Protocol (PPP), PPP over Ethernet (PPPoE), Virtual Private Networks (VPNs), Generic Routing Encapsulation (GRE), advanced Open Shortest Path First (OSPF) configurations, advanced Access Control Lists (ACLs) configurations, advanced Network Address Translation (NAT) configurations, network security, network management, network design, network troubleshooting, network virtualization, and network automation. Preparation for the Cisco CCNA certification exam. Total of 36 hours lecture and 54 hours laboratory.

Grade Mode: L

Rationale: To update course title, certificate, and Form D.

MODIFICATION – Distance Education renewal – Effective Summer 2021

CIS 192 INTRODUCTION TO WEB DEVELOPMENT

3 units

Prerequisite: CIS 012.

The essentials of HTML5, CSS3, and JavaScript including their functionalities, syntax, and advanced techniques to create web content and designs that can be adapt to various device form factors. Coverage includes HTML5 elements and APIs, CSS3 syntax and advanced techniques, code validation, form creation, mobile design for browsers and apps, and JavaScript and its application. Preparation for the CIW Advanced HTML5 and CSS3 Specialist certification. Total of 36 hours lecture and 54 hours laboratory. No credit if taken after GRFX 192.

Grade Mode: L

Rationale: To update certificate and Form D.

MODIFICATION – Distance Education renewal – Effective Summer 2021
CIS 193 CLIENT-SIDE WEB DEVELOPMENT USING JAVASCRIPT

3 units

Prerequisite: CIS 012 and CIS 192.

Client-side web application programming using JavaScript. Topics include JavaScript basics, control structures, arrays, object-oriented programming, functions, methods, expressions, Document Object Model (DOM), forms, debugging, event handling, cookie creation, security, web API (Application Programming Interface), libraries and frameworks, and AJAX. Preparation for the CIW JavaScript Specialist Certification. Total of 36 hours lecture and 54 hours laboratory.

Grade Mode: L

Rationale: To update certificate and Form D.

ENGLISH

MODIFICATION – catalog description, SLOs, SPOs, CCOs, texts, min quals, Distance Education renewal – Effective Summer 2021

ENGL 009 CREATIVE NONFICTION

3 units

Prerequisite: ENGL 001A, 001AH, or 001AS.

Compose creative nonfiction including classic, contemporary, and experimental forms and analyze a variety of creative nonfiction texts by diverse writers in various forms such as personal narrative, memoir, nature and travel writing, literary journalism, lyric essay. Total of 54 hours lecture.

Transfer Credit: CSU; UC

Grade Mode: L, A, P

Rationale: Update Form D; Update Form B; Revise and Map SLOs and SPOs and CCO. Modification to MOIs, MOEs. Rationale: Revised Course Description. Rewrote SPOs and SLOs. Mapped SPOs to SLOs. Rewrote CCOs and put into outline format. Removed mentions of marketing and changed to "publishing" or "submitting". Updated representative texts (Any text listed that is older than 5 years is a classic text in the field). Modification to min quals.

HEALTH SCIENCE

ADDITION – Effective Summer 2021

NURS 208 NURSING IN A TRANSFORMED HEALTH CARE SYSTEM

2 units

Clinical skills instruction based on up-to-date nursing knowledge and a conceptual framework of best nursing practices empower nursing students of all levels to discover what they need to know and how to engage with multidisciplinary healthcare providers. 8 weeks. Pass/no pass grading. Total 27 hours of lecture and 36 hours laboratory.

Grade Mode: P

Rationale: Nurses are expected by the Institute of Medicine (IOM) to have collaborative roles and responsibilities amidst a rapidly changing health care system characterized by technological advances and treatment innovation. In compliance with the IOM's recommendations for nursing education, NURS 208 is a 2-unit hybrid course that provides 27 hours of lecture instruction and 36 hours of skills practice in laboratory. The SLOs, SPOs, and CCOs, course descriptions, enrollment limitations, textbooks, learning resources are designed to support students' development of nursing professional identity and sets the stage for lifelong learning.

MODIFICATION – catalog description, SLOs, SPOs, CCOs, MOIs, Distance Education addition – Effective Summer 2021

DA 123A CHAIRSIDE TECHNIQUES

4.5 units

Corequisite: Enrollment in or completion of DA 100, 108, and 110.

Enrollment Limitations: Acceptance in the Dental Assisting Program.

Chairside techniques to include infection control, basic medical and dental emergencies, cavity classification and design, dental charting, rotary and hand instruments, tray set-ups and procedures, oral vacuum and triplex syringe use, instrument exchange, dental dam placement and removal, matrix retainer placement and removal, four-handed dentistry techniques, anesthetic syringe, principles of anesthesiology, and medical history procedures. Practical application of preclinical/clinical techniques in patient management. Total of 36 hours lecture and 144 hours laboratory.

Grade Mode: L

Rationale: Addition of Form D Hybrid, modification of catalog description, CCOs, SLOs, SPOs, assignments, MOIs.

NATURAL SCIENCE

MODIFICATION – SLOs, SPOs, CCOs, MOEs, texts – Effective Summer 2021

BIOL 104A APPLICATIONS OF FLUORESCENCE MICROSCOPY

2 units

Prerequisite: BIOL 102C.

Introduction to the fundamental principles of fluorescence microscopy. Exploration of specialized methods and practical biological applications of fluorescence detection and imaging using microscopy techniques currently being performed in research laboratories. Total of 18 hours lecture and 54 hours of laboratory.

Grade Mode: L, A, P

Rationale: The proposal for the BIOL 104A Applications of Fluorescence Microscopy course provides updated information on the following: SLOs, SPOs, CCOs, MOEs, and texts.

MODIFICATION – SLOs, SPOs, CCOs, MOEs, texts – Effective Summer 2021

BIOL 104B MICROBIOLOGICAL APPLICATIONS USED IN BIOTECHNOLOGY

4 units

Prerequisites: BIOL 102B and BIOL 102C.

Overview of the development of the field of molecular biotechnology. Instruction on how utilization of microorganisms and their biological products led to the advent of recombinant DNA technology, molecular cloning, and genetic engineering. Demonstration of various applied molecular microbiological techniques routinely performed in biotechnology laboratories. Total of 54 hours lecture and 72 hours laboratory.

Grade Mode: L, A, P

Rationale: The proposal for the BIOL 104B Microbiological Applications used in Biotechnology course provides updated information on the following: SLOs, SPOs, CCOs, MOEs, and texts.

MODIFICATION – SLOs, SPOs, CCOs, MOEs, MOIs, prerequisite (BIOL 102C removal), texts – Effective Summer 2021

BIOL 104C RESEARCH METHODOLOGY

3 units

Prerequisites: BIOL102B and BIOL 038.

Capstone course integrates the use of a variety of research methodologies taught in existing biotechnology core courses to illustrate the interdisciplinary nature of scientific research. Coursework includes participation in hypothesis-driven research projects focused on the use of various gene regulatory mechanisms, including RNA interference and genome editing, to study the biology and function of mouse embryonic stem cells. Total of 36 hours lecture and 72 hours laboratory.

Grade Mode: L, A, P

Rationale: The proposal for the BIOL 104C Research Methodology course provides updated information on the following: SLOs, SPOs, CCOs, MOEs, MOIs, prereqs (remove BIOL 102C), and texts.

MODIFICATION – SLOs, SPOs, CCOs, MOEs, prerequisite (BIOL 102C removal), enrollment limitation (addition), texts – Effective Summer 2021

BIOL 104D COLLABORATIVE RESEARCH EXPERIENCE

3 units

Prerequisites: BIOL 102B and 038.

Enrollment Limitations: Permission of the instructor.

Opportunity to participate in scientific research projects in collaboration with a local research institute. Practical experience provided with basic research methodologies and strategies used in academic research, specifically in the field of stem cell biology. Total of 36 hours lecture and 72 hours laboratory.

Grade Mode: L, A, P

Rationale: The proposal for the BIOL 104 Collaborative Research Experience course provides updated information on the following: SLOs, SPOs, CCOs, MOEs, prereq (remove BIOL 102C), addition of enrollment limitation, and texts.

PERFORMING AND COMMUNICATION ARTS

MODIFICATION – catalog description, SPOs, assignments, texts – Effective Summer 2021
TVR 002A BEGINNING AUDIO PRODUCTION

3 units

Theory and practice of audio production for radio, television, film and digital recording applications. Fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Hands-on experience recording, editing, mixing and mastering audio. Basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU

Grade Mode: L, A

Rationale: The purpose of this modification is to update curriculum and textbooks, in an effort to be in compliance with accreditation and Title V requirements. This course was scheduled to be reviewed by C-ID in 2018. However, this 5-year review has been delayed. <https://c-id.net/tmc#5yrUndergoing>. In an effort to update the course, while awaiting state review, we have updated the textbooks to reflect the last five (5) years within these industries. A slight modification to catalog description. Modification to assignments, SPOs.

SOCIAL SCIENCE

MODIFICATION – SPOs, CCOs, MOIs, assignments, texts, NCN (35 to 40), Distance Education addition – Effective Summer 2021

HUM 001 INTRODUCTION TO THE HUMANITIES

3 units

Present-day ideas, beliefs, values, and practices are explored in the artistic, literary, philosophical, and religious contributions to modern living from diverse creative epochs and individuals of various cultures. Total of 54 hours lecture.

Transfer Credit: CSU; UC

Grade Mode: L, P

Rationale: Adding a form D supplemental form. Updated textbooks, CCOs. assignments, MOIs, SPOs. NCN increased to 40.

MODIFICATION – Distance Education addition – Effective Summer 2021
PSYC 003 ABNORMAL PSYCHOLOGY

3 units

Prerequisites: PSYC 001 or PSYC 001H.

The definition, theories, symptoms and treatment of psychological disorders. Review of major classes of mental disorders with a focus on commonly diagnosed disorders. Best practices in mental health treatment and community support systems. Special emphasis on critical thinking, and the impact of bias on marginalized groups. Total of 54 hours lecture.

Transfer Credit: CSU; UC. C-ID: PSY 120

Grade Mode: L, A,

Rationale: Addition of Form D.

VISUAL ARTS AND MEDIA STUDIES

MODIFICATION – update courses - Effective Summer 2021

CINEMA – CINEMA PRODUCTION / FILMMAKING – Occupational Skills Certificate 15 units

The curriculum prepares students with entry-level skills to seek employment in the motion picture (cinema and other forms of media distribution) industry. The program introduces students to a broad range of knowledge and skills required to be successful in the industry. Emphasis is placed on development of creative thinking and processes alongside current professional practices.

An Occupational Skills Certificate is awarded upon completion of all required courses with a grade of C or better.

Requirements for the Occupational Skills Certificate (15 units):

Required Courses

SEMESTER I

CINE 026A – Beginning Electronic Filmmaking (3)

SEMESTER II

CINE 026B – Intermediate Filmmaking – Electronic (3)

CINE 126 – Digital Film Narrative (3)

SEMESTER III

CINE 026C – Advanced Filmmaking (3)

SEMESTER IV

CINE 129 – Cinema Production Portfolio (3)

Recommended Electives

PHOT 021 – Introduction to Black and White Photography (3)

PHOT 030 – Introduction to Digital Image Editing (3)

ART 015 – Sketching for Design (3)

ART 011A – Foundation Drawing (3)

ART 031A – Color and Composition – Two Dimensional Design (3)

ART 032A – Design – Three Dimensional (3)

CINE 025 – Film Art (3)

CINE 007A – Early Film History (3)

CINE 007B – Contemporary Film History (3)

Rationale: Update course and discipline titles of former Photo courses to match updated corresponding Cinema courses.

MODIFICATION – Distance Education addition – Effective Summer 2021

JOUR 002 BEGINNING JOURNALISM

3 units

Fundamental principles and practices of newswriting. Standards, ethics, rights, responsibilities and laws of libel. Media literacy. New media platforms. Total of 54 hours lecture.

Transfer Credit: CSU; UC. C-ID: JOUR 110

Grade Mode: L, A

Rationale: Addition of Distance Education modality.