

PASADENA CITY COLLEGE  
CURRICULUM AND INSTRUCTION COMMITTEE  
MINUTES OF MEETING  
THURSDAY, NOVEMBER 29, 2018

CALLED TO ORDER: 1:33 p.m.

CO-CHAIRPERSONS: Sharon Bober  
Tamara Knott-Silva

The following Curriculum and Instruction Committee members were present:

FACULTY CHAIRPERSONS

Sharon Bober  
Tamara Knott-Silva

INSTRUCTIONAL UNITS

Kimberly Shediak, Business & Computer Technology  
Jeff Hupp, Counseling and Career Services  
Wendy Lucko, Engineering & Technology  
Sebrenia Law, Health Sciences  
Lindsey Ruiz, Languages  
Walter Butler, Library  
Richard Abdelkerim, Mathematics and Computer Science  
John Hanley, Natural Sciences  
Henry Shin, Performing & Communication Arts  
Andrea Murray, Social Sciences  
Masood Kamandy, Visual Arts and Media Studies

DIVISION DEANS

Joseph Futtner  
Sonia Wurst  
Natalie Russell  
Carrie Starbird

MEMBERS EX-OFFICIO

Sharis Amirian, Articulation Officer

VISITORS

James Arnwine  
Seung Yang  
Sonn Eidem  
Linda Hintzman  
Carolyn Corrie  
Tanysha Laney  
Thomas Thoen  
Beverley Dunbar

*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.*

I. WELCOME

Self-introductions were made.

II. PUBLIC COMMENT

Linda Hintzman discussed what other schools are doing with respect to Linear Algebra (MATH 010).

Henry Shin pointed out that MUSC courses and MUSP courses are completely different.

Sara Barker discussed the reason for changing the TVR prefix.

Sassan Barkeshli discussed the prerequisite change for CS 002.

III. APPROVAL OF MINUTES

Meeting Minutes for November 15, 2018.

ON MOTION by Wendy Lucko and seconded by Sharis Amirian, the committee voted to approve the minutes of meeting 13. (1 abstention)

IV. COMMITTEE DISCUSSION

ON MOTION by Richard Abdelkerim and seconded by Walter Butler, the committee voted unanimously to approve the modification of MATH 015 and the modification of the prerequisite to MATH 015.

ON MOTION by Richard Abdelkerim and seconded by Carrie Starbird, the committee voted unanimously to approve the modification of CS 002 and the modification of the prerequisite to CS 002.

ON MOTION by Richard Abdelkerim and seconded by Wendy Lucko, the committee voted unanimously to approve the addition of MATH 115 and the addition of the corequisite to MATH 115.

ON MOTION by Sonia Wurst and seconded by Walter Butler, the committee voted unanimously to approve the modifications of CIS 061, 063, and 146.

ON MOTION by Walter Butler and seconded by Masood Kamandy, the committee voted unanimously to approve the modifications of the prerequisites of CIS 061 and 063.

ON MOTION by Masood Kamandy and seconded by John Hanley, the committee voted unanimously to approve the addition of Distance Education to CIS 061 and 063.

ON MOTION by Kimberley Shediak and seconded by Masood Kamandy, the committee voted to unanimously approve the modifications of Distance Education for CIS 146.

ON MOTION by Kimberley Shediak and seconded by Sonia Wurst, the committee voted unanimously to approve the deletions of THE COMPUTER INFORMATION SYSTEMS – MICROSOFT ENTERPRISE DATABASE ADMINISTRATOR AS/Certificate of Achievement and the COMPUTER INFORMATION SYSTEMS – MCSA WINDOWS SERVER PREPARATION Occupational Skills Certificate.

ON MOTION by Sonia Wurst and seconded by Wendy Lucko, the committee voted unanimously to approve the modification of ELTN 115 and 131.

ON MOTION by Joseph Futtner and seconded by Masood Kamandy, the committee voted unanimously to approve the modifications of SLPA 119, 123A, 123B, and 126.

ON MOTION by Richard Abdelkerim and seconded by Sonia Wurst, the committee voted unanimously to approve the addition of the prerequisite to SLPA 119.

ON MOTION by Richard Abdelkerim and seconded by Lindsey Ruiz, the committee voted unanimously to approve the modification of WRKP 2101.

ON MOTION by Masood Kamandy and seconded by Joseph Futtner, the committee voted unanimously to approve the modifications of HIST 007A, 007B, and 020.

ON MOTION by Masood Kamandy and seconded by Andrea Murray, the committee voted unanimously to approve the modification of Distance Education of HIST 007A.

ON MOTION by John Hanley and seconded by Andrea Murray, the committee voted unanimously to approve the addition of Distance Education to HIST 007B.

ON MOTION by Joseph Futtner and seconded by Kimberley Shediak, the committee voted unanimously to approve the deletion of EDUC 113.

ON MOTION by Lindsey Ruiz and seconded by Natalie Russell, the committee voted unanimously to approve the additions BUSN 7508 and 7509.

ON MOTION by John Hanley and seconded by Walter Butler, the committee voted unanimously to approve the addition of the BASIC BOOKKEEPING ASSISTANT Certificate of Completion.

ON MOTION by and seconded by, the committee voted unanimously to approve the modification of the ADMINISTRATION OF JUSTICE AS/Certificate of Achievement.

ON MOTION by Walter Butler and seconded by John Hanley, the committee voted unanimously to approve the modification of BUSN 7308.

ON MOTION by Joseph Futtner and seconded by Richard Abdelkerim, the committee voted unanimously to approve the additions of DMA 020A, 020B, 020C, and 022B.

ON MOTION by Richard Abdelkerim and seconded by Sonia Wurst, the committee voted unanimously to approve the addition of prerequisites to DMA 020A, 020B, 020C, and 022B.

ON MOTION by John Hanley and seconded Jeff Hupp, the committee voted unanimously to approve the additions of DMA 010, 012, 022A, 032, 060, 062, 064, 072, and 090.

ON MOTION by Wendy Lucko and seconded by John Hanley, the committee voted unanimously to approve the addition of Distance Education to DMA 012, 060, 062, and 064.

ON MOTION by Masood Kamandy and seconded by Richard Abdelkerim, the committee voted unanimously to approve the modifications to ¶2b of AP 4100.

ON MOTION by Richard Abdelkerim and seconded by Masood Kamandy, the committee voted unanimously to approve the modification of §3 of AP 4100.

ON MOTION by Richard Abdelkerim and seconded by Masood Kamandy, the committee voted unanimously to approve the residency requirement of 12 units (formerly 15) in AP 4100.

The committee discussed the impact of the reorganization of the Math ADT template, moving Math 010 into List A.

Sharon presented the tentative Spring 2019 C&I meeting dates and deadlines.

#### V. ANNOUNCEMENTS

None.

#### VI. ADJOURNMENT

ON MOTION by Richard Abdelkerim and seconded by John Hanley, the meeting adjourned at 4:19 p.m.

## ADDENDUM

### BUSINESS AND COMPUTER TECHNOLOGY

MODIFICATION – SLOs, SPOs, CCOs, MOIs, MOEs, prerequisite, assignments, catalog description, prerequisite, certificate, textbook, NCN, addition of Distance Education – Effective Summer 2019

#### CIS 061 INTRODUCTION TO INFORMATION SYSTEMS SECURITY

3 units

Prerequisites: CIS 011 or valid CompTIA A+ certification or equivalent, and CIS 042 or equivalent. Principles of information systems security related to providing, managing, and maintaining secure systems at various organizational levels. Administration of network protocols, analysis of hardware/software processes, communications, applications, policies, and procedures. Principles of cybersecurity, risk management/assessments, reporting, dealing with social challenges and demands, legal and ethical issues, security planning, physical security, and technology. Preparation for the CompTIA Security+ and Cisco CCNA Cyber Ops certification exams. Total of 36 hours lecture and 54 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L

Rationale: To update SLOs, SPOs, CCOs, MOIs, MOEs, assignments, catalog description, prerequisite, certificate, textbook, NCN, and Form B. To add Form D.

MODIFICATION – SLOs, SPOs, MOIs, MOEs, assignments, prerequisite, certificate, textbook, NCN, addition of Distance Education – Effective Summer 2019

#### 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; UC credit under review.

Grade Mode: L

Rationale: To update SLOs, SPOs, MOIs, MOEs, assignments, prerequisite (add "or equivalent, and CIS 012 or equivalent."), certificate, textbook, NCN, and Form B. To add Form D.

MODIFICATION – SLOs, SPOs, CCOs, MOIs, MOEs, assignments, catalog description, prerequisite, NCN, Grade option, textbook, addition of Distance Education – Effective Summer 2019

#### CIS 146 MCSA: MICROSOFT WINDOWS SYSTEM ADMINISTRATION 2

4 units

Prerequisites: CIS 045.

Implementation and administration of Active Directory Domain Services (AD DS), distributed AD DS, AD DS sites and replication, users and groups, Group Policy Objects (GPOs), Active Directory

Certificate Services (AD CS), Active Directory Rights Management Services (AD RMS), Active Directory Federation Services (AD FS), and Microsoft Azure services. Preparation for the Microsoft MCSA Windows Server certification exam. Total of 54 hours lecture and 54 hours laboratory.  
Grade Mode: L

Rationale: To update SLOs, SPOs, CCOs, MOIs, MOEs, assignments, catalog description, certificate, NCN, Grade option, textbook, Form B, and Form D.

DELETIONS – Effective Summer 2019

CIS - MICROSOFT ENTERPRISE DATABASE ADMINISTRATOR – AS/Certificate of Achievement

20 units

Rationale: This certificate won't be offered.

COMPUTER INFORMATION SYSTEMS – MCSA WINDOWS SERVER PREPARATION – Occupational Skills Certificate

12 units

Rationale: CIS 042 has been added as a prerequisite for CIS 045, and CIS 041 is a prerequisite for CIS042. Due to the prerequisites, the required units of this certificate are 18, which is over the limit of an occupational skills certificate. COMPUTER INFORMATION SYSTEMS – MICROSOFT ENTERPRISE SYSTEM ADMINISTRATOR (Certificate of Achievement) will replace this certificate.

ENGINEERING AND TECHNOLOGY

MODIFICATION – units (from 2 to 3), contact hours, grade mode – Effective Summer 2019

ELTN 115 PRINTED CIRCUIT & ELECTRONIC HARDWARE DESIGN

3 units

Prerequisites: Enrollment in or completion of ELTN 130 or MIT 101.

Introduction to Electronic Hardware and Printed Circuit Board (PCB) design and manufacturing.

Design and fabrication of PCB's with CAD software. Soldering techniques. Group system design. Total of 36 hours lecture and 54 hours laboratory.

Grade Mode: L

Rationale: The purpose of this proposal is to change the unit load of the course from two to three units. Contact hours changed from 18/54 to 36/54. The amount of lecture time does not allow adequate coverage of all of the CCO's which are critical to adequate workforce preparation, specifically, CCO's 3B, 3C, 4A-D, 7D. Grading changed to Letter grade only.

MODIFICATION – course title, catalog description, SPOs, SLOs, MOIs, MOEs, assignments – Effective Summer 2019

ELTN 131 ANALOG DEVICES AND CIRCUITS

3 units

Prerequisite: ELTN 130.

Analog devices including diodes, transistors and operational amplifiers. Field effect and bipolar transistor theory, audio amplifiers. Analysis of RC filters, applications of operational amplifiers. Use of function generators and oscilloscopes to analyze circuits. Analog sensors and applications. Simulation and analysis of electronic circuits using software. Total of 36 hours lecture and 54 hours laboratory. No credit if taken after ELTN 031 or 121A or 131A.

Grade Mode: L

Rationale: The content in this course description is very outdated and excessive for the appropriate subject matter in a single course. The content needs to be revised, and some topics eliminated which are not relevant for students taking this level of class in electronics. Make the topics more focused and relevant for the current workplace. Change the name to accurately reflect the new course content. Additionally the SPO's are currently not linked to the SLO's. Modification to catalog description and grade mode. Addition of MOIs, MOEs. Modification of assignment. Addition of updated resources and department planning

## MATHEMATICS

ADDITION – Effective Summer 2019

### MATH 115 SUPPORT FOR EXPLORATIONS IN QUANTITATIVE REASONING

1/2 unit

Corequisite: MATH 015.

Review of core prerequisite skills, competencies, and concepts for quantitative reasoning with an emphasis on critical thinking and problem solving. Intended for students who are concurrently enrolled in MATH 015: Explorations in Quantitative Reasoning. Topics include learning strategies and mathematical knowledge necessary for successful completion of Explorations in Quantitative Reasoning. Total of 36 hours laboratory. Grade Mode: P

Rationale: Since all students will have direct access to transfer level math courses we would like to create a support course for Math 15 that students could take concurrently with Math 15. This is a proven practice suggested by the Chancellor's office to support our students as we become AB 705compliant. The course will not be required. Students who feel they need/want the additional support will enroll. We will run some sections of It will be done using Lab hours to keep the financial impact low.

MODIFICATION – catalog description, prerequisite, SPOs, SLOs, MOIs, MOEs, CCOs – Effective Summer 2019

### CS 002 FUNDAMENTALS OF COMPUTER SCIENCE I

4 units

Prerequisites: Either MATH 007B or MATH 008 or MATH 009.

Problem solving through structured computer programming of algorithms using the basics of the C++object-oriented language. Topics include: variables, expressions, input/output (I/O), branches, looping constructs, functions, argument passing, single and double dimensional arrays, strings, file I/O, C++vectors, software design principles, testing, and debugging techniques. Programming projects, at

least 600 lines of code. For STEM Majors, but open to all qualified students. Total of 54 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC. \*C-ID: COMP 122

Grade Mode: L, A, P

Rationale: Change of prerequisites. Mathematics is offering different pathways to MATH 005A. Students in CS002 must qualify for MATH 005A. Modification to catalog description, SPOs, SLOs, MOIs, MOEs, CCOs.

MODIFICATION – title, contact hours (from 90 to 72), SLOs, SPOs, CCOs, MOIs, MOEs, catalog description, prerequisite (delete MATH 133B, 134B), assignments – Effective Summer 2019

#### MATH 015 EXPLORATIONS IN QUANTITATIVE REASONING

4 units

Prerequisites: MATH 150 or MATH 131 or placement based on the Math Placement process.

Skills and techniques for problem solving using mathematical methods and quantitative reasoning.

Topics include: elementary logic; combinatorics and probability; statistics; set theory; and finance math. For students with non-STEM majors. Total of 72 hours lecture.

Transfer Credit: CSU; UC

Grade Mode: L, A, P

Rationale: We are bringing the units and hours into alignment by reducing the contact hours from 90 to 72. We are updating the SLOs, SPOs, CCOs, catalog description, prereq (remove MATH 131, 133B, 134B; new prereq: MATH 150 or MATH 131 or placement based on the Math Placement process.), MOIs, MOEs, assignment. We are changing the title of the course to be more inclusive. This course isn't just for Lib Arts Majors. It is for non-STEM majors. There is an increase in the offerings of Quantitative Reasoning courses like this at the 4-yr schools (Math 1000 at CSULA) and we want to stress that our course is a QR course and should articulate.

#### NONCREDIT

ADDITION – Effective Summer 2019

#### BUSN 7508 QUICKBOOKS ESSENTIALS

Inputting customer and vendor information, creating invoices and purchase orders, writing checks, processing business transactions, and generating reports in QuickBooks. Reinforces learning the vocabulary used in bookkeeping and QuickBooks. Total hours 9 to 36 hours lecture.

Grade Mode: P, N

Rationale: This course is one of a series of courses that will provide students with the opportunity to obtain the skills for an entry level job in the areas of Accounts Receivable, Accounts Payable, or Bookkeeping.

ADDITION – Effective Summer 2019

#### BUSN 7509 PAYROLL ESSENTIALS



Inputting customer and vendor information, creating invoices and purchase orders, writing checks, processing business transactions, and generating reports in QuickBooks. Reinforces learning the vocabulary used in bookkeeping and QuickBooks. Total hours 9 to 36 hours lecture.

Grade Mode: P, N

Rationale: This course is one of a series of courses that will provide students with the opportunity to obtain the skills for an entry level job in the areas of Accounts Receivable, Accounts Payable, or Bookkeeping.

ADDITION – Effective Summer 2019

BASIC BOOKKEEPING ASSISTANT – Certificate of Completion

The Basic Bookkeeping Assistant program provides students with the essential skills and workforce preparation needed for careers in accounting office support occupations. The curriculum also prepares students for a pathway to credit business programs. Students gain knowledge in the basics of accounting bookkeeping, payroll and financial statements.

A Certificate of Completion will be awarded upon completion of all required courses.

Required Courses

BUSN 7508 – Quickbooks Essentials

BUSN 7308 – Basic Bookkeeping

or BUSN 7509– Payroll Essentials

Recommended Electives

BUSN 7501 – Math Essentials for the Workplace

or BUSN 7307 – Basic Business Math

Rationale: The purpose of the college proposal is to train in an employment field that can provide an entry level wage higher than the minimum. This series of courses will provide students with the skills to move towards employment in an entry level office accounting field. Although we don't expect an increase on job openings in this area, accounting, bookkeeping clerks can make \$18.87 an hour according to the department of labor.

MODIFICATION – contact hours, catalog description, SLOs, SPOs, CCOs, MOIs, MOEs – Effective Summer 2019

BUSN 7308 BASIC BOOKKEEPING

Principles and practices of bookkeeping, including the fundamentals of double entry bookkeeping, journal entries, and preparation of basic financial statements. Recommended BUSN 7303. Total of 45 hours lecture.

Grade Mode: P, N

Rationale: Course is up for revision. SLO's and SPO's were revised to create a better alignment between them. CCO's, catalog description, and the assignments sections were revised. Methods of Instruction and Methods of evaluation were added. Hours changed to 45.

MODIFICATION – course title, contact hours, SLOs, SPOs, CCOs, MOIs, MOEs, assignments, catalog description, texts – Effective Summer 2019

#### WRKP 2101 WORKPLACE READINESS: CONTEXTUALIZED ENGLISH SKILLS

Focus on developing the English language skills required in a target industry, Career and Technical Education training program, pre-apprenticeship, or apprenticeship program. Topics include industry-specific vocabulary, reading, writing, listening, speaking and study skills. Total of 18 to 72 hours of lecture.

Grade Mode: P, N

Rationale: This course is being revised as part of the LA/OC Regional Consortium Strong Workforce program to develop the English language skills required in a target industry, Career and Technical Education training program, pre-apprenticeship or apprenticeship program. Changes have been made to the course title, SLOs, SPOs, CCOs, Methods of Instruction, Methods of Evaluation of Student Performance, Assignments, Catalog Description, Course Hours, and Representative Texts

#### PERFORMING AND COMMUNICATION ARTS

MODIFICATION – catalog description, enrollment limitation, SLOs, SPOs, CCOs, assignments, contact hours – Effective Summer 2019

#### SLPA 119 SPEECH-LANGUAGE PATHOLOGY: PROFESSIONAL ISSUES

3 units

Prerequisite: SLPA 018.

Enrollment Limitation: Admission to the SLPA program.

Professional issues in the field of communication disorders with emphasis on practice as a Speech-Language Pathology Assistant. Regulatory and ethical considerations, scope of responsibilities, and supervision. Practice issues including cultural and linguistic diversity, Augmentative and Alternative Communication (AAC), documentation, data collection, objectives, and treatment implementation. Total of 54 hours lecture and 18 hours laboratory.

Grade Mode: L

Rationale: Add enrollment limitation: Admission to SLPA program. Adjust SLOs/SPOs, enrollment limitations, and modify catalog description. Add MOIs, MOEs, assignment. Modify contact hours (add 18 hours laboratory). Modify CCOs by adding unit on Augmentative and Alternative Communication (AAC) with a lab for AAC unit. CTE advisory committee recommended an increase in program training for AAC, which is a rapidly growing aspect of the field.

MODIFICATION – catalog description, prerequisites, enrollment limitation, SLOs, SPOs, CCOs, MOIs, MOEs, assignments – Effective Summer 2020

**SLPA 123A COMMUNICATION DISORDERS: ASSESSMENT AND REMEDIATION**

3 units

Prerequisites: SLPA 107, SLPA 115, SLPA 119.

Enrollment Limitation: Admission to the SLPA program.

Screening, assessment and intervention practices and procedures for communication disorders

Examination of learning theories, lesson/session planning, behavioral modification, and reinforcement techniques. Includes guided observation of 3 hours of speech therapy sessions No credit if taken after SPCH 123. Total of 54 hours lecture and 18 hours laboratory.

Grade Mode: L

Rationale: To distribute the required observation hours throughout the program. Modify catalog description. To adjust the prerequisites due to the addition of new courses. Adjust SLOs/SPOs, and CCO. Add MOIs, MOEs, modify assignment. Add enrollment limitation.

MODIFICATION – title, catalog description, enrollment limitation, SLOs, SPOs, CCOs, MOIs, MOEs, assignments – Effective Summer 2020

**SLPA 123B ADULT DISORDERS: REMEDIATION**

3 units

Prerequisite: SLPA 123A.

Enrollment Limitation: Admission to the SLPA program.

Speech, language, and hearing disorders of the adult population. Assessment and Intervention practices for adult acquired neurogenic communication disorders. Includes guided observation of 3 hours of speech therapy sessions. Total of 54 hours lecture and 18 hours laboratory.

Grade Mode: L

RATIONALE: To distribute required observation hours throughout the program. Adjust SLOs/SPOs, CCOs, enrollment limitation, add MOIs, MOEs, modify assignment. Modification to catalog description. Modify course title.

MODIFICATION – catalog description, corequisite, enrollment limitation, SLOs, SPOs, CCOs, MOIs, MOEs, assignments, grade mode – Effective Summer 2019

**SLPA 126 SPEECH LANGUAGE PATHOLOGY ASSISTANT FIELD WORK**

2 units

Prerequisite: Enrollment in or completion of SLPA 123B.

Corequisite: SLPA 126S.

Enrollment Limitation: Admission to the SLPA program. Students must pass a health/safety and background check for both the college and the off-campus site. Requires instructor approval to ensure that each student enrolled in the course has an approved contracted fieldwork site as well as an approved Master Clinician. Student must meet with the on-campus Instructor prior to semester of enrollment for: a. fieldwork orientation (date to be announced in SLPA 123A or SLPA 123B) b. establishment of a signed contract of understanding of all requirements for the off-campus experience

c. completion of the application indicating intent to enroll in SLPA 126 (available following orientation)

RATIONALE: As part of a program modification, a co-requisite course and enrollment limitations are being added. Adjustment of SLOs, SPOs, Catalog description, Assignments, Methods of Evaluation, Methods of Instruction, Enrollment limitations, Default grading option, and Course Content Outline.

## SOCIAL SCIENCES

MODIFICATION – SLOs, SPOs, CCOs, MOIs, MOEs, catalog description, assignments, textbooks – Effective Summer 2019

### HIST 007A UNITED STATES HISTORY TO 1876

3 units

American history from its first peoples through the 1870s Reconstruction Era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Emphasis placed on comparing different ethnicities, women, and representative biographies. No credit if taken after HIST 007AH. Total of 54 hours lecture.

Transfer Credit: CSU; UC. \*C-ID: HIST 130

Grade Mode: L, A, P

Rationale: Modify SLOs; align SPOs with SLOs; Modify CCOs; Update catalog description; Update MOI, MOE, assignments and textbooks. Align and update Supplemental Form D for Distance Education.

MODIFICATION – SLOs, SPOs, CCOs, MOIs, MOEs, catalog description, assignments, textbooks – Effective Summer 2019

### HIST 007B UNITED STATES HISTORY FROM 1876

3 units

American history from 1876 to the present. Topics include industrialization, Progressivism, World Wars, Depression, the Cold War, the Civil Rights and Vietnam Era, and the 21st century. Emphasis placed on immigrant and racial groups, women, international relations, and contemporary topics. No credit if taken after HIST 007BH. Total of 54 hours lecture.

Transfer Credit: CSU; UC. \*C-ID: HIST 140

Grade Mode: L, A, P

Rationale: Modify SLOs; align SPOs with SLOs; Modify CCOs; Update catalog description; Update MOI, MOE, assignments and textbooks. Add Supplemental Form D for Distance Education.

MODIFICATION – SLOs, SPOs, CCOs, MOIs, MOEs, assignments, texts – Effective Summer 2019

### HIST 020 INDEPENDENT STUDY

1 unit

Independent, faculty-guided student inquiry, research, project of historical theme. Total of 54 hours laboratory. Transfer Credit: CSU; UC credit limitations. See counselor.

Grade Mode: L, P

Rationale: Update SLOs, SPOs, CCOs, MOIs, MOEs, Assignments, and Readings.

DELETION – Effective Summer 2019  
EDUC 113 SCHOOL AGE FIELD PRACTICE  
4 units

Rationale: The content of this course is taught in EDUC 013.

## VISUAL ARTS AND MEDIA STUDIES

ADDITION – Effective Summer 2019  
DMA 010 DIGITAL ART: DESIGN FOUNDATION  
3 units

Introduction to the computer as an effective visual communication design, production and presentation tool. Teaches current design software, hardware, input, and output devices. Design assignments integrate digital tools, techniques, concept development, and composition using text and image. No credit if taken after ART 040. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Course name change, for clarity and to be a part of the new DMA catalog code. Shortened, simplified catalog description. Removed recommended preparation - ART 031A. TOP Code is now Computer Graphics and Digital Imagery, under the Digital Media umbrella. Course formerly known as ART 040. Rationale of DMA subject code, new course number, and new course titles: We believe this change will help us in the following ways - 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019  
DMA 012 DIGITAL ART: PAINTING & DRAWING  
3 units

Introduction to fundamental concepts, practices, and theories of digital art production. Topics include integration of traditional design, and compositional principles with contemporary digital tools. Total of 36 hours lecture and 72 hours laboratory. No credit if taken after ART 056.

Transfer Credit: CSU; UC credit under review. \*C-ID: ARTS 250

Grade Mode: L, A

Rationale: Name change for clarity. Catalog code change to DMA from ART. Grade mode change to allow auditing, and to letter grade only default. Course formerly known as ART 056. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to

cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 020A GRAPHIC DESIGN I

3 units

Corequisite: ART 031A.

Introduction to the fields of graphic design & advertising. Concept development, the creative design process, production, and presentation techniques through the development of design projects on various media. Design and production skills including beginning computer software skills. Total of 36 hours lecture and 72 hours laboratory. No credit if taken after ART 050A.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Change title to be cleaner, simpler, and clearer to students. Change prerequisite of 031A to a co-requisite. Removed recommendations. Updated Form B to be compliant (new courses, and some fields were missing). Default grade mode is L. Audit added as option. Added UC transferability. Will provide AO with course list at UC level. Fixed NCN. From 22 to our standard 24. Fixed assignment formatting. Course formerly known as ART 050A. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 020B GRAPHIC DESIGN II

3 units

Prerequisite: DMA 020A.

Intermediate studies of the theories and techniques in the fields of graphic design & advertising. Principles of concept and design development are combined with the use of computer design and production tools. Projects are produced for various media like: brochures, magazines, ePubs, posters, corporate ID, branding, advertising, and packaging design. Total of 36 hours lecture and 72 hours laboratory. No credit if taken after ART 050B. Transfer Credit: CSU

Grade Mode: L, A

Rationale: Changed course name for simplicity and clarity. Fixed NCN from 22 to 24. Added audit option. Added UC transferability (will provide list to AO). Fixed FORM B missing data, and updated with DMA course. Deleted recommendations. Cleaned up formatting left over from copying and pasting from InDesign. Course formerly known as ART 050B. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media

courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 020C GRAPHIC DESIGN III

3 units

Prerequisite: DMA 020B

Advanced studies in the fields of graphic design & advertising and portfolio development. Projects, including a portfolio, are developed for use in seeking employment or application to a university or professional school. Emphasis is on advanced concepts and presentation techniques and the application of visual communication concepts to print and digital media. No credit if taken after ART050C. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review

Grade Mode: L, A

Rationale: Title change for simplicity and clarity. Changed NCN to standard 24, from 20. Fixed Form B to new DMA course. Course formerly known as ART 050C Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 022A TYPOGRAPHY I

3 units

Introduction to the fundamentals of typographic lettering through the study of historic and contemporary fonts, calligraphic, and hand-drawn typographic forms and systems. Emphasis is on developing conceptual, design, compositional, and hand drawing skills, in order to gain skill in producing logotypes, fonts and custom typographic lettering to for the needs of graphic design and advertising industries. Students will learn a variety of traditional analogue and contemporary digital techniques and materials. No credit if taken after ART 051A. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Course name changed for clarity and simplicity. NCN fixed to 24 per all DMA courses. Form B updated to new course name. Credits updated. Audit added. Slight modification to title (colon). Formatting fixed in some of the boxes for legibility in WebCMS. Course formerly known as ART 051A. Rationale of DMA subject code, new course number, and new course titles: 1) Increased

visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 022B TYPOGRAPHY II

3 units

Recommended Preparation: DMA 022A or DMA 020A.

Intermediate studies in the application of typography, and the creation and application of custom logotypes, fonts, and typographic lettering to creative visual communications design projects in the graphic design and advertising industries. Emphasis is on concept development, design, production, and presentation of artwork using both traditional and contemporary digital methods. No credit if taken after ART 051B. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Name change. Changed TOP code from Commercial Art to Graphic Design. Fixed NCN to standard 24 for all DMA courses. Fixed Credits, Fixed Form Bs to reflect new courses. UC transferability will be explored with AO. Fixed formatting for legibility in WebCMS for Tech Reviewers. Course formerly known as ART 051B. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 032 INTERACTION DESIGN

3 Units

Introduction to human-computer interaction, interface design, and interactive and time-based media for designers. Overview of foundational interaction design concepts such as human factors, perception, cognition, research techniques, and design methods for the design of user experiences and interaction. A survey of interactive products, systems, interfaces and technology (software and hardware), constraints and trajectories for future developments and how these frame Interaction Design and production. Workflow, planning and organization of prototyping in Interaction Design. No credit if taken after ART 154 or ART 064. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Title change to be simpler, and for our new DMA catalog code. TOP Code is multimedia. Course formerly known as ART 064. Rationale of DMA subject code, new course number, and new



course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

#### DMA 060 CREATIVE CODING

3 units

Exploration of the creative potential of computer programming using Processing and Java. Teaches the use, and cultural implications of code in the context of art and design. Fundamentals of programming (variables, conditionals, iteration, functions, and objects). Covers generative drawing, image processing, 3D graphics, data parsing, computer vision in a variety of art and design-oriented projects, media outputs and fabrications. For students who would like to explore computer programming in an art and design context. No credit if taken after ART 060. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: TOP Code is Multimedia. Audit added. Course number and catalog code modified. Course formerly known as ART 060. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

#### DMA 062 CREATIVE CODING FOR THE INTERNET

3 units

Exploration of the creative potential of computer programming for the Internet using JavaScript, its use, and cultural implications in the context of art and design. Fundamentals of programming (variables, conditionals, iteration, functions, and objects). Covers generative drawing, 3D graphics, sound, and virtual reality in a variety of design projects specifically for web-based and mobile output. Geared toward students who would like to explore computer programming in an art and design context. No credit if taken after ART 158 or ART 059. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Changing catalog code and number. TOP Code is Multimedia, in the Digital Media category. Assignments are directed toward students. Form D fixed with assignment changes, course number changes. Course formerly known as ART 059. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the

Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

#### DMA 064 CREATIVE CODING FOR MOBILE DEVICES

3 units

Exploration of the creative potential of computer programming for mobile devices using Apple's Swift programming language. Teaches the use and cultural implications of code in the context of art and design. Fundamentals of programming (variables, conditionals, iteration, functions, and objects). Covers touch-based interfaces, generative drawing, image processing, 3D graphics, data parsing, computer vision in a variety of art and design-oriented projects, media outputs and fabrications. Geared toward students who would like to explore computer programming in an art and design context. No credit if taken after ART 061. Total of 36 hours lecture and 72 hours laboratory. Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: TOP Code changed to Multimedia. Course number and catalog code changed. Textbook updated to most recent edition. Assignments rewritten to address students. Form D fixed with assignment changes, course number changes. Course formerly known as ART 061. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

#### DMA 072 2D ANIMATION

3 units

Covers the basic theory and mechanics of animation. Development of simple animation using principles such as squash and stretch, overlap and anticipation. Fundamentals of character design, storyboarding, visual storytelling, and layout. Techniques such as stop-motion, onionskin, follow-through and rotoscoping using industry-standard computer animation applications. No credit if taken after ART 070. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC

Grade Mode: L, A

Rationale: Title change for clarity and new catalog code. Added credit information. Removing prerequisite. Fixed small formatting problems for legibility in WebCMS. Course formerly known as ART 070. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic

Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.

ADDITION – Effective Summer 2019

DMA 090 GAME DESIGN I

3 units

Surveys history, technology, narrative, ethics, and design of digital games. Work in teams to develop novel game-design story boards, and game design documents. Exploration of the interplay of narrative, graphics, rule systems, and artificial intelligence in the creation of digital games. No credit if taken after ART 080. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU; UC credit under review.

Grade Mode: L, A

Rationale: Course name change for simplicity and clarity. Reworked SLOs and SPOs to be more aligned and compliant with current practices. Changed CCOs to be more current and in line with how the course is taught. Added EMP numbers. Changed course lab and lecture hours to reflect that this is a studio course (72 hours lab, 36 hours lecture). Added Audit. Added MOIs and MOEs Modified Assignments and aligned with SLO's. Course formerly known as ART 080. Rationale of DMA subject code, new course number, and new course titles: 1) Increased visibility to students of Design and Digital Media courses. 2) A more holistic identity for a sequence of courses that leads to cutting edge careers in all of the Digital Media fields we currently teach: Graphic Design, Interaction Design, User Experience, Game Design/Development, Web Design/Development, Creative Coding and Animation. 3) A more easily understandable sequence of courses that are numbered logically. 4) Course names that are clear, concise and easy to understand.