

Curriculum Register

March 21, 2022

This publication contains proposed curriculum changes, organized into the following sections:

- I. **Request to Include Proposed Degree Program in Academic Master Plan**, which includes a synopsis of course and program proposals that have been submitted for review to their department curriculum committee and program faculty, and new program proposals that have been approved by the Board of Trustees to appear on the CSUDH Academic Master Plan.
- II. **Campus-Wide Sharing**, which includes a synopsis of course and program proposals that have been submitted for review to their department curriculum committee and program faculty, and new program proposals that have been approved by the Board of Trustees to appear on the CSUDH Academic Master Plan.

All proposals must complete each step in the curriculum review process:

[New Degree Programs & Program Modifications](#)

[New & Modified Courses](#)

Moratorium for Proposals in Campus-wide Sharing Stage:

The Campus-wide Sharing section of the Curriculum Register contains only a summary of the curriculum proposal. There will be a 10 working-day moratorium, starting from the publication date of the Curriculum Register, during which departments, deans, or individual faculty may raise objections or concerns to the proposing faculty and College Curriculum Committee.

After the College Curriculum Committee has been contacted with an objection, the objector has 10-working days to review the entire proposal and submit a formal objection in writing. Please review the [Process for Objections to Curriculum Proposals](#) for more information related to the objections process.

Moratorium Date: April 4, 2022

Once the moratorium date has passed for campus-wide sharing and no objections are received, the proposal will continue through the stages of the curriculum review process.

The Office of Academic Programs produces the Curriculum Register. Any questions or comments should be directed to the Office of Academic Programs at creview@csudh.edu or at (310) 243-3308.

CAMPUS-WIDE PROPOSAL SHARING	3
COLLEGE OF ARTS AND HUMANITIES	3
<i>B.A. in Africana Studies (Program Modification)</i>	3
<i>Minor in Africana Studies (Program Modification)</i>	3
<i>COM 300 Organizational Com (Discontinue Course)</i>	3
<i>COM 305 Overview of Interactive Media (Discontinue Course)</i>	3
<i>COM 306 Online Media Production (Discontinue Course)</i>	4
<i>COM 385 Intermediate Production Workshop (Discontinue Course)</i>	4
<i>COM 387 Contemporary Film (Discontinue Course)</i>	4
<i>COM 425 Management in the Mass Media (Discontinue Course)</i>	4
<i>ENG 205 Literary Genres & Devices (New Course)</i>	5
<i>ENG 308 Critical Approaches to Children's Literature (Course Modification)</i>	5
<i>MUS 290 Music Industry 1: Survey of the Music Industry (Course Modification/LDGE Area C)</i>	5
<i>THE 120 Fundamentals of Speech (Course Modification)</i>	5
COLLEGE OF BUSINESS ADMINISTRATION & PUBLIC POLICY	7
<i>CIS 275 Internet Literacy (Course Modification)</i>	7
<i>MKT 350 Principles of Marketing (Course Modification)</i>	7
COLLEGE OF EDUCATION	8
<i>M.A. Education: Curriculum & Instruction (Program Modification)</i>	8
<i>M.A. Education: Dual Language Learning (Program Modification)</i>	8
<i>M.A. Education: Transitional Kindergarten (Program Modification)</i>	8
COLLEGE OF EXTENDED & INTERNATIONAL EDUCATION	9
<i>No submissions received.</i>	9
COLLEGE OF HEALTH, HUMAN SERVICES, & NURSING	10
<i>HUS 310 Helping and Professional Relationships (Course Modification/GWAR-Certifying)</i>	10
<i>KIN 300 Tests and Measurements in Physical Education (Course Modification)</i>	10
COLLEGE OF NATURAL & BEHAVIORAL SCIENCES	11
<i>BPH 410 Medical Biophysical Education and Medical Industry Impact on Society (New Course)</i>	11
<i>B.S. Computer Science (Program Modification)</i>	11
<i>B.S. Information Technology (Program Modification)</i>	12
<i>CSC 101 Introduction to Computer Education (Course Modification/LDGE Area E)</i>	12
<i>CSC 111 Introduction to Computers and Basic Programming (Course Modification/LDGE Area E)</i>	13
<i>CSC 115 Introduction to Programming Concepts (Course Modification/LDGE Area A3)</i>	13
<i>CSC 121 Introduction to Computer Science and Programming I (Course Modification/LDGE Area A3)</i>	13
<i>CSC 301 Computers and Society (Course Modification)</i>	14
<i>CSC 311 Data Structures (Course Modification)</i>	14
<i>CSC 331 Computer Organization (Course Modification)</i>	14
<i>CSC 371 Finite Automata (Course Modification)</i>	15
<i>CTC 428 Operating Systems Security (Course Modification)</i>	15
<i>CTC 452 Network Security and Hacking Prevention (Course Modification)</i>	15
<i>CTC 492 Senior Project (Course Modification)</i>	16
<i>CYB 505 Practical Cyber Security (New Course)</i>	16
<i>CYB 525 Cybersecurity System Analytics and Automation (New Course)</i>	16
<i>CYB 535 CyberOps and Cloud DevSecOps (New Course)</i>	17
<i>MAT 281 Discrete Mathematics (Course Modification)</i>	17
UNIVERSITY LIBRARY	18
<i>No submissions received.</i>	18

Campus-Wide Proposal Sharing

The following course and program proposals have been submitted for review to their department curriculum committee and program faculty.

College of Arts and Humanities

Program/Course Name: B.A. in Africana Studies

Proposer: Donna J. Nicol

Type of Change: Program Modification

Summary of Change and Rationale: The Africana Studies Department proposes AFS 340 - Africana Womanhood as a major/minor elective course that will offer students the opportunity to examine the history and present-day realities facing Africana women in the United States and throughout the global using a womanist, intersectional approach.

Program/Course Name: Minor in Africana Studies

Proposer: Donna J. Nicol

Type of Change: Program Modification

Summary of Change and Rationale: The Africana Studies Department is seeking to update its minor to reflect current course offerings and advising practices. The department-initiated changes to the minor which were not formalized and are now seeking to formalize those changes. The aim is to make advising and graduation certification more efficient by eliminating the need for department advisors to issue multiple course substitutions.

Program/Course Name: COM 300 Organizational Com

Proposer: Sharon Sharp

Type of Change: Discontinue Course

Course Description: Organizational theory and the role that communication plays in modern business, industrial and governmental organizations. Case studies and reviews of the literature in solving communication problems of complex human organizations.

Summary of Change and Rationale: The purpose of this course modification is to retire COM 300: Organizational Com. and remove it from the catalog. It is an outdated course associated with the discontinued Communications B.A.

Program/Course Name: COM 305 Overview of Interactive Media

Proposer: Sharon Sharp

Type of Change: Discontinue Course

Course Description: General overview of current topics and issues in interactive multimedia. Provides an introduction to interactive multimedia concepts, roles, products and systems. Explores the planning, prototyping, producing, testing, and distributing of multimedia products. Three hours of seminar per week

Summary of Change and Rationale: The purpose of this course modification is to retire COM 305: Overview of Interactive Media and remove it from the catalog. It is an outdated course associated with the discontinued Communications B.A.

Program/Course Name: COM 306 Online Media Production

Proposer: Sharon Sharp

Type of Change: Discontinue Course

Course Description: Provides skill sets needed for mastery of methodologies of video/digital media post-production and processes for embedding and streaming new media product, utilizing digital compression techniques. Emphasis is placed on digital non-linear editing techniques for internet deployment of projects relating to the fields of journalism, advertising, public relations as well as general digital mass media.

Summary of Change and Rationale: The purpose of this course modification is to retire COM 306: Online Media Production and remove it from the catalog. It is an outdated course associated with the discontinued Communications B.A.

Program/Course Name: COM 385 Intermediate Production Workshop

Proposer: Sharon Sharp

Type of Change: Discontinue Course

Course Description: Intermediate skill sets are developed for production of news, informational, entertainment, persuasive, advertising, public relations, instructional, public affairs and corporate programming in both studio and field production environments. Intermediate skill sets include camera, lighting, sound, preproduction and production methodologies, and intermediate digital processes.

Summary of Change and Rationale: The purpose of this course modification is to retire COM 385: Intermediate Production Workshop and remove it from the catalog. It is an outdated course associated with the discontinued Communications B.A.

Program/Course Name: COM 387 Contemporary Film

Proposer: Sharon Sharp

Type of Change: Discontinue Course

Course Description: A critical survey of the schools, styles, and purposes of documentary film as an aesthetic and cultural form.

Summary of Change and Rationale: The purpose of this course modification is to retire COM 387: Documentary Film and remove it from the catalog. It is an outdated course associated with the discontinued Communications B.A.

Program/Course Name: COM 425 Management in the Mass Media

Proposer: Sharon Sharp

Type of Change: Discontinue Course

Course Description: Emphasizes management of the electronic media industries, the most heavily regulated in the field of mass communications. Covers organizational theory, principles of management, functions/style of the manager, programming, sales, promotion and community relations.

Summary of Change and Rationale: The purpose of this course modification is to retire COM 425: Management in The Mass Media and remove it from the catalog. It is a course associated with a certificate in telecommunications in the Communications Department. Neither the course nor the certificate was ever offered by the department.

Program/Course Name: ENG 205 Literary Genres & Devices

Proposer: Andrew Kalaidjian

Type of Change: New Course

Course Description: This course introduces a series of literary genres including stories, poems, plays, essays, and the novel, with characteristic devices including point of view, symbol, plot, and imagery.

Summary of Change and Rationale: The English department is developing this course to create a lower-division, introductory class appropriate for students new to or considering a major in English studies. The class focuses on genre and literary devices to show students the range of literary works and forms of analysis.

Program/Course Name: ENG 308 Critical Approaches to Children's Literature

Proposer: Helen Oesterheld

Type of Change: Course Modification

Course Description: Prerequisite: Completion of G.E. Area A2. Critical analysis of children's literature from its inception to the present including the concept of the child as a historical, social, cultural, and political construct. Examines genre and form in literary and visual works from various perspectives. 3 hours lecture.

Summary of Change and Rationale: ENG 308, Critical Approaches to Children's Literature, is an upper-division core requirement for Liberal Studies majors, an elective course for English majors, and can also be taken to satisfy upper-division GE Area C (Area of the Humanities) Section 3 (Integrative Studies in the Humanities). It was successfully piloted online during the pandemic and is now being proposed for permanent online delivery. The course will continue to be available in a face-to-face modality as well.

Program/Course Name: MUS 290 Music Industry 1: Survey of the Music Industry

Proposer: Hal Weary

Type of Change: Course Modification/LDGE C

Course Description: This course will introduce students to different careers available in the music industry and enhance their ability to recognize how music industry professional affect and impact our daily lives. It also examines the many different career fields that make the music industry profitable, progressive, and transformative. Each week focuses on a different area of the music industry that drives artists to stardom – or not.

Summary of Change and Rationale: The Department of Music is responding to a need to inform, and education students interested in careers in the music industry to help them become more successful artists, educators, and entrepreneurs. This course is a general survey of the history of the industry that will also touch on important topics such as music licensing, marketing, and artist development. This course meets the objectives for GE area C since it's a survey course that puts the music industry into historical and cultural context while also offering opportunities for creativity.

Program/Course Name: THE 120 Fundamentals of Speech

Proposer: Doris Ressler

Type of Change: Course Modification

Course Description: Introduction to the basic principles of speech communication. Classes cover the use of organization and evidence in speech preparation and emphasize research and performance techniques. Students develop speeches for a variety of topics and situations/A-C-/NC grading. This course is restricted to 1st time freshman going through the First Year Experience.

Summary of Change and Rationale: In order to adapt this course from face-to-face lecture-based instruction to online and hybrid delivery, a number of changes will need to be made; they are listed below.

1. To facilitate speech delivery, in the online classes, students will utilize Flipgrid.
 - a. This allows the students to have a protected space to deliver their course speeches both

- on a laptop and a mobile device application. It also allows for both instructor and peer-to-peer interaction.
- b. For the hybrid modality, students would attend campus and deliver speeches face-to-face. There would be no need to utilize Flipgrid for speech delivery.
2. On the weeks that students deliver speeches, they will record a practice speech, receive feedback from an assigned classmate, and then record their final version of their speech.
 - a. This provides students the opportunity to practice their speeches in front of an “audience” before being graded by their instructor.
 - b. The student who is providing feedback learns through the opportunity to provide feedback.
 - c. Additionally, there is a peer-to-peer connection
 3. In place of the weekly lecture, each week would instead include the following:
 - a. a brief lecture by the instructor
 - i. This is to allow the students the opportunity to connect visually with the instructor on a weekly basis. It also allows the instructor the opportunity to demonstrate the components the speaking activities that will be delivered during that week. An example video should be posted for the full demonstration.
 - b. A student recorded speaking activity on the chapter reading
 - i. This activity encourages the reading of the textbook. Additionally, this exercise teaches the students to take material that they read and learn how to adapt it in their own words for speech delivery. Further, this exercise provides them with the structure for how to outline their speeches and provide evidence and support.
 - c. A response to a classmate’s recorded speaking activity
 - i. This allows students to connect with each other. They can leave text feedback or video feedback. It allows them to build community in the online space.
 - d. A discussion activity
 - i. This provides a further examination of a course concept. Students are provided a question, prompt, video, etc. and asked to discuss.

College of Business Administration & Public Policy

Program/Course Name: CIS 275 Internet Literacy

Proposer: Chi-Wen Chen

Type of Change: Course Modification

Course Description: The purpose of this course modification is to retire COM 425: Management in The Mass Media and remove it from the catalog. It is a course associated with a certificate in telecommunications in the Communications Department. Neither the course nor the certificate was ever offered by the department.

Summary of Change and Rationale: First, it will be beneficial for students to learn about this course by taking it online because this course is all about the Internet. All the topics, such as the Internet of Things, e-Commerce, and World Wide Web, in this course are all the Internet-related.

Second, the goal of this course is to help students learn (1) how to utilize the Internet for online learning, (2) how to improve online learning effectiveness, and more importantly, (3) how to make them succeed in online learning. All the questions are critical in CIS 275. By making this course online, students can directly learn these crucial questions and address them.

Moreover, all the activities and exercises in CIS 275 are online. In CIS 275, students will learn how to use Google Drive applications, such as Google Docs, Google Sheets, Google Slides, and Google Drawings. Also, students will learn how to build a website using Google Sites. All the exercises and assignments are designed and completed online. Thus, changing the course modality to online will be a good fit for the course design and will make this course even better.

Program/Course Name: MKT 350 Principles of Marketing

Proposer: Bing Xu

Type of Change: Course Modification

Course Description: Survey of the marketing function, including the marketing environment and target markets; marketing strategy with emphasis on the marketing mix; social and ethical responsibilities of marketing.

Summary of Change and Rationale: MKT 350, Principles of Marketing, is an introductory course required for all Marketing majors. It is a foundational course and should be taken during the first year in the major. It surveys the marketing function, including the marketing environment and target markets; marketing strategy with emphasis on the marketing mix; social and ethical responsibilities of marketing.

It is currently offered in both Face-to-Face and On-Line modalities for an A-F grade with enrollment limited to 40 students. Hybrid modality allows faculty and students to combine the best aspects of the other two modalities and will give CBAPP's undergraduate students greater flexibility in scheduling. The availability of hybrid sections will help ensure that students will not face difficulty or delays due to limited availability of classroom resources. This will thus help fulfill CBAPP's commitment to meeting the curriculum needs of students and increasing timely graduation rates.

College of Education

Program/Course Name: M.A. Education: Curriculum & Instruction

Proposer: Edward Curammeng

Type of Change: Program Modification

Summary of Change and Rationale: The MA in Education has recently proposed four (4) new courses. The Program Modifications proposed continues on that momentum to specify where those new courses will exist within the MA's options (Curriculum & Instruction; Dual Language Learning; Transitional Kindergarten). Specifically, we propose: 1) changing total units from 31 to 30, 2) removing a one-unit course that covered a comprehensive exam; 3) move two previous core courses to electives; and 4) move an elective to a core course. All modifications align strongly with the updated COE Vision and Mission, MA programmatic goals and learning objectives.

Program/Course Name: M.A. Education: Dual Language Learning

Proposer: Edward Curammeng

Type of Change: Program Modification

Summary of Change and Rationale: The MA in Education has recently proposed four (4) new courses. The Program Modifications proposed continues on that momentum to specify where those new courses will exist within the MA's options (Curriculum & Instruction; Dual Language Learning; Transitional Kindergarten). Specifically, we propose: 1) changing total units from 31 to 30, 2) removing a one-unit course that covered a comprehensive exam; 3) move two previous core courses to electives; and 4) move an elective to a core course. All modifications align strongly with the updated COE Vision and Mission, MA programmatic goals and learning objectives.

Program/Course Name: M.A. Education: Transitional Kindergarten

Proposer: Edward Curammeng

Type of Change: Program Modification

Summary of Change and Rationale: The MA in Education has recently proposed four (4) new courses. The Program Modifications proposed continues on that momentum to specify where those new courses will exist within the MA's options (Curriculum & Instruction; Dual Language Learning; Transitional Kindergarten). Specifically, we propose: 1) changing total units from 31 to 30, 2) removing a one-unit course that covered a comprehensive exam; 3) move two previous core courses to electives; and 4) move an elective to a core course. All modifications align strongly with the updated COE Vision and Mission, MA programmatic goals and learning objectives.



CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

College of Extended & International Education

No submissions received.

College of Health, Human Services, & Nursing

Program/Course Name: HUS 310 Helping and Professional Relationships

Proposer: Meka Brown

Type of Change: Course Modification/GWAR-Certifying

Course Description: An introductory course which will focus on developing helping skills with an emphasis on ethical and professional behavior. Verbal and non-verbal helping skills will be developed through lectures, demonstration, and extensive role-playing practices.

Summary of Change and Rationale: The rationale for this special designation is to implement a GWAR-certifying course to ensure students meet the requirement of successfully completing the graduation writing assessment at the baccalaureate degree level.

Program/Course Name: KIN 300 Tests and Measurements in Physical Education

Proposer: Mike Ernst

Type of Change: Course Modification

Course Description: Fulfillment of ELM requirement. Analysis, evaluation, interpretation, and use of tests and other assessment methods in physical education. Application of statistical procedures.

Summary of Change and Rationale: The Department of Kinesiology is requesting a change in method of delivery for the KIN 300: Tests and Measurements in Physical Education class. The content of the course, SLOs, assignments, quizzes and exams are not changing. Only the mode of instruction is being changed. This course has been taught for the past four semesters and during winter and summer sessions. Offering this course online has increased students' performance, as this method of delivery lends itself well to this course. Further, by offering this course asynchronously online, students are able to take other courses that would have otherwise overlapped. This reduces any roadblock that hindered students from progressing toward graduation, as all students in the kinesiology program are required to take this course.

College of Natural & Behavioral Sciences

Program/Course Name: BPH 410 Medical Biophysical Education and Medical Industry Impact on Society

Proposer: Horace Crogman

Type of Change: New Course

Course Description: this course will help students meet the criteria for professional schools. The class explore principles practices and develop students' communication skills. A service-learning component requiring shadowing of healthcare professionals for eight weeks as well as completed thirty volunteer hours with community organizations.

Summary of Change and Rationale: The Physics Department has designed a new interdisciplinary course designed to suit the careers of students who intend to be involved in the field of Biotechnology, Biological Sciences or Medicine. Specifically, this Biophysical Research course is built to provide research training for students. The course features elements of practices and principle od the Healthcare industry. Students will have firsthand knowledge of the industry and engage with healthcare professionals. Students will be expected to create a reports detailing their experience. Students will be exposed to tools, protocols, methodologies, and instrumentation use in the healthcare field.

Program/Course Name: B.S. Computer Science

Proposer: Liudong Zuo

Type of Change: Program Modification

Summary of Change and Rationale: Computer Science Department would like to make the following changes to Bachelor of Science in Computer Science program:

1. replace MAT 361 – Finite Automata (3) with CSC 371 – Finite Automata (3)
2. replace MAT 271 – Foundations of Higher Mathematics (3) with CSC 300 – Software Development (4)
3. make CSC 281 – Discrete Structures (3) equivalent to MAT 281 – Discrete Mathematics (3)

Following is the detailed rationale behind the above changes:

1. Dr. Matt Jones, chair of Math Department, kindly gave us the consent of replacing MAT 361 – Finite Automata (3) with CSC 361 – Finite Automata (3) in Aug. 2020. Note that at that time, the course number was CSC 361 – Finite Automata (3), later on we changed it to CSC 371 – Finite Automata (3).
2. From our observation and analysis, our students' programming background still needs to be enhanced after CSC 123 Introduction to Computer Science and Programming II in order to perform well in higher level classes. CSC 300 is an advanced Java programming course. Students are expected to have a much deeper understanding about major aspects of Java and OOP, and significantly enhance their programming and problem-solving ability. We believe such change will benefit our students.
3. For CSC 281 and MAT 281, the main coverage is similar. Their major difference is CSC 281 instructor explains some topics from the perspective of programming and there are programming assignments, while we believe MAT 281 instructor explains the topics from the perspective of mathematics. Making these two courses equivalent gives our students one more choice: if they want to improve their programming ability besides learning the main covered topics, they can choose CSC 281; while if they want to improve their math ability besides learning the main covered topics, they can choose MAT 281. We believe such one more choice will benefit our students.

Program/Course Name: B.S. Information Technology

Proposer: Liudong Zuo

Type of Change: Program Modification

Summary of Change and Rationale: Computer Science Department would like to make the following changes to Bachelor of Science in Information Technology program:

1. add CSC 116 – Introduction to Computer Hardware and Tools (3) to the curriculum
2. make CSC 281 – Discrete Structures (3) equivalent to MAT 281 – Discrete Mathematics (3)

Following is the detailed rationale behind the above changes:

1. After analyzing students' performance and gathering students' feedback, we decided that it is necessary for students to get knowledge of computer hardware and tools before moving to upper-level courses.
2. For CSC 281 and MAT 281, the main coverage is similar. Their major difference is CSC 281 instructor explains some topics from the perspective of programming and there are programming assignments, while we believe MAT 281 instructor explains the topics from the perspective of mathematics. Making these two courses equivalent gives our students one more choice: if they want to improve their programming ability besides learning the main covered topics, they can choose CSC 281; while if they want to improve their math ability besides learning the main covered topics, they can choose MAT 281. We believe such one more choice will benefit our students.

Program/Course Name: CSC 101 Introduction to Computer Education

Proposer: Liudong Zuo

Type of Change: Course Modification/LDGE Area E

Course Description: A computer literacy course designed to familiarize the learner with a variety of computer tools and computer concepts with emphasis on utilizing packaged programs. This course provides an introduction to the use of computers, common software programs and peripherals. Students are instructed in the use of a word processor, drawing programs, spreadsheet, database, presentation tools, internet applications and statistical package in scientific applications.

Summary of Change and Rationale: This course introduces a variety of computer concepts, tools and areas, and then the use of computers, common software programs and peripherals to improve the productivity and efficiency as a student, professional, and lifelong learner. This course also discusses the relationship between humankind and the modern digital society, and the common sociological and psychological issues. Some other areas of computers are also covered, such as privacy implications, Internet, computer security and risks, E-Commerce, and Artificial Intelligence, and their uses in everyday life.

Learning outcomes of this course match those of the CSUDH GE category E and the CSU GE Breadth Area E. We are requesting this course to become GE category E course to benefit CSUDH students. We believe topics of this course will help learners improve their quality and productivity of not only their student time but also their lifetime as computers and digital technology will be playing more and more important roles in modern society.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 111 Introduction to Computers and Basic Programming

Proposer: Liudong Zuo

Type of Change: Course Modification/LDGE Area E

Course Description: Introduction to computer programming with particular emphasis on small systems through programming in the BASIC language.

Summary of Change and Rationale: This course introduces computer programming with particular emphasis on small systems through programming in the BASIC language. Students gain basic understanding about computer systems and programming concepts first, and then learn how to use decision structure, iteration structure, functions, Arrays, database to write programs, deal with files and develop web applications. After this course, students should have the ability to write simple programs to improve the productivity and efficiency as a student, professional, and lifelong learner.

We are requesting this course to become GE category E course to benefit CSUDH students. We believe topics of this course will help learners improve their quality and productivity of not only their student time but also their lifetime.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 115 Introduction to Programming Concepts

Proposer: Liudong Zuo

Type of Change: Course Modification/LDGE Area A3

Course Description: Introduces students to computer programming by teaching techniques of problem solving. Students will become acquainted with decision constructs, looping structures, and subroutine modules. Students will learn the vocabulary of object-oriented programming.

Summary of Change and Rationale: CSC 115 introduces computer programming by teaching techniques of problem solving. Students will become acquainted with decision constructs, looping structures, and subroutine modules. Students will learn the vocabulary of object-oriented programming.

We are requesting to make this course as a GE course (category: GE – A.3: Logical/Critical Reasoning).

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 121 Introduction to Computer Science and Programming I

Proposer: Liudong Zuo

Type of Change: Course Modification/LDGE Area A3

Course Description: Organization of sequential, digital machine: CPU, I/O, storage, communications devices. Functions of operating systems: translators, editors, peripheral control utilities. The course covers the development, description, and analysis of elementary algorithms. It includes three hours of lecture and two hours of activity per week.

Summary of Change and Rationale: CSC 121 introduces the principal concepts of computational models and computational problem solving in a specific computer programming language. Students will be provided with a thorough conceptual grounding in computational problem-solving techniques and strategies, including sequential structure, decisive structure, iterative structure, file processing, methods, Array, ArrayList, and the object-oriented paradigm. Simple algorithms such as search, and sorting will be discussed and implemented.

We are requesting to make this course as a GE course (category: GE – A.3: Logical/Critical Reasoning).

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this

course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 301 Computers and Society

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: Ethical, legal, psychological, economic, and theoretical implications and limitations of the uses of digital computers. Oral and written presentations required.

Summary of Change and Rationale: As an interdisciplinary course, CSC 301 Computers and Society covers ethical, legal, psychological, economic, political, societal, and theoretical implications and limitations of the uses of digital computers. It focuses primarily on integration of students' knowledge within these diverse areas.

We are requesting to change the prerequisites of CSC 301 to junior standing or consent of instructor.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 311 Data Structures

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: More advanced and detailed treatment of concepts of data organization introduced in CSC 123. Includes lists, trees, graphs and storage allocation and collection. Applications to such areas as symbol tables, string search and optimization.

Summary of Change and Rationale: CSC 311 Data Structures teaches more advanced and detailed treatment of concepts of data organization introduced in CSC 123. Topics include lists, trees, graphs and storage allocation and collection, and applications to areas such as symbol tables, string search and optimization.

We are requesting to change the prerequisites from CSC 123 and MAT 281 to CSC 123, and CSC 281 or MAT 281. This change is due to our BSCS program modifications (one modification is to make CSC 281 and MAT 281 equivalent, and this course originally requires MAT 281 as one prerequisite), please refer to our BSCS program modifications for more information.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 331 Computer Organization

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: Structure of the modern digital computer. Introduction to Boolean algebra and design of digital circuits. Arithmetic, control, storage and input/output systems.

Summary of Change and Rationale: CSC 331 Computer Organization teaches structure of modern digital computer. The topics include introduction to Boolean algebra, design of digital circuits, arithmetic, control, storage, and input/output systems.

We are requesting to change the prerequisites from CSC 221 and MAT 281 to CSC 221, and CSC 281 or MAT 281. This change is due to our BSCS program modifications (one modification is to make CSC 281 and MAT 281 equivalent, and this course originally requires MAT 281 as one prerequisite), please refer to our BSCS program modifications for more information.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this

course. Besides, change of this course does not require a new course fee.

Program/Course Name: CSC 371 Finite Automata

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: Introduces the formal foundations of computer science, the limits of computation, and the limits of efficient computation. The goal is to provide computer science students with a broad understanding of various models of computation and their power.

Summary of Change and Rationale: CSC 371 Finite Automata introduces the formal foundations of computer science, the limits of computation, and the limits of efficient computation. The goal is to provide computer science students with a broad understanding of various models of computation and their power.

We are requesting to change the prerequisites from CSC 281 and CSC 311 to CSC 311. The rationale behind the change is that CSC 281 is one prerequisite of CSC 311 already.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CTC 428 Operating Systems Security

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: Course takes an in depth look at operating system security concepts and techniques. It examines theoretical concepts that make the world of security unique. Also, this course will adopt a practical hands-on approach when examining operating system security techniques.

Summary of Change and Rationale: CTC 428 Operating Systems Security takes an in depth look at operating system security concepts and techniques. It examines theoretical concepts that make the world of security unique. Also, this course will adopt a practical hands-on approach when examining operating system security techniques.

We are requesting to change the prerequisites from CSC 116 Introduction to Computer Hardware and Tools to CTC 316 Operating Systems and Networks Support. The rationale behind the change is that compared with CSC 116, CTC 316 introduces operating systems in more depth and after taking CTC 316, students are more likely to have the knowledge to excel in CTC 428.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CTC 452 Network Security and Hacking Prevention

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: Course takes an in depth look at network defense concepts and techniques. It examines theoretical concepts that make the world of networking unique. This course also adopts a practical hands-on approach when examining network defense techniques and strategies.

Summary of Change and Rationale: CTC 452 Network Security and Hacking Prevention takes an in depth look at network defense concepts and techniques. It examines theoretical concepts that make the world of networking unique. This course also adopts a practical hands-on approach when examining network defense techniques and strategies.

CTC 428 Operating Systems Security mainly focuses on the security of operating system, while CTC 452 Network Security and Hacking Prevention partially focuses on the security of network. The difference between the courses focuses leads to a knowledge gap. CTC 228 Introduction to Operating Systems and

Networks partially focuses on the network. After taking CTC 228, students are more likely to have the knowledge to excel in CTC 452.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CTC 492 Senior Project

Proposer: Liudong Zuo

Type of Change: Course Modification

Course Description: Intensive study under guidance of a member of the Computer Science Department to complete a project from start to end. Students will study system design and total project planning and management. A formal written report and oral presentation will be required.

Summary of Change and Rationale: Under guidance of a member of the Computer Science Department, students need to complete a project from start to end in CTC 492 Senior Project. Students will study system design and total project planning and management. A formal written report and oral presentation will be required.

We are requesting to change the prerequisites from CTC 428 and senior standing, or consent of instructor to senior standing or consent of instructor. The rationale behind the change is that students are not required to have the knowledge of CTC 428 Operating Systems Security before taking this course and finishing their projects.

Change of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment and information technology, are enough to support change of this course. Besides, change of this course does not require a new course fee.

Program/Course Name: CYB 505 Practical Cyber Security

Proposer: Liudong Zuo

Type of Change: New Course

Course Description: To understand and deal with real-world cyber threats, this course explores the latest development in the area of cyber security and provides theory and hands-on practice in playing with cyber security software and network systems in a laboratory environment.

Summary of Change and Rationale: To understand and deal with real-world cyber threats, this course explores the latest development in the area of cyber security and provides theory and hands-on practice in playing with cyber security software and network systems in a laboratory environment.

Computer Science Department is requesting to make this course as a new course.

Creation of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this course. Besides, this course does not require a new course fee.

Program/Course Name: CYB 525 Cybersecurity System Analytics and Automation

Proposer: Liudong Zuo

Type of Change: New Course

Course Description: This course provides theory and hands-on practice in data analytics and threat intelligence in cybersecurity systems. We also explore ways to perform analytical tasks automatically, and solve cryptography, intrusion detection, automation, log creation, log management and other problems in cybersecurity.

Summary of Change and Rationale: This course provides theory and hands-on practice in data analytics and threat intelligence in cybersecurity systems. We also explore ways to perform analytical tasks automatically, and solve cryptography, intrusion detection, automation, log creation, log management and other problems in cybersecurity.

Computer Science Department is requesting to make this course as a new course.

Creation of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this course. Besides, this course does not require a new course fee.

Program/Course Name: CYB 535 CyberOps and Cloud DevSecOps

Proposer: Liudong Zuo

Type of Change: New Course

Course Description: This course provides theory and hands-on practice on day-to-day, tactical knowledge and skills that Security Operations Center teams need to detect and respond to cybersecurity threats. Main topics include security monitoring, host-based analysis, intrusion analysis, and security policies and procedures.

Summary of Change and Rationale: This course provides theory and hands-on practice on day-to-day, tactical knowledge and skills that Security Operations Center teams need to detect and respond to cybersecurity threats. Main topics include security monitoring, host-based analysis, intrusion analysis, and security policies and procedures.

Computer Science Department is requesting to make this course as a new course.

Creation of this course aligns with the college mission. Current resources, including staffing, expertise of existing faculty, facilities, equipment, and information technology, are enough to support change of this course. Besides, this course does not require a new course fee

Program/Course Name: MAT 281 Discrete Mathematics

Proposer: Matthew Jones

Type of Change: Course Modification

Course Description: Matrix algebra, graph theory, trees, combinatorics, Boolean algebra; with application to computers and computer programming.

Summary of Change and Rationale: This change in prerequisites is meant to provide students who place directly into calculus (MAT 191) with the ability to take MAT 281 with need for a permission number.



CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

University Library

No submissions received.