



SAN DIEGO STATE UNIVERSITY

**SDSU SEC Agenda**

Jan 19th, 2021

[Online via Zoom](#)

2:00 to 4:30 pm

1. Call to Order, Land Acknowledgement, and Principles of Shared Governance:

Land Acknowledgement

We stand upon a land that carries the footsteps of millennia of Kumeyaay people. They are a people whose traditional lifeways intertwine with a worldview of earth and sky in a community of living beings. This land is part of a relationship that has nourished, healed, protected and embraced the Kumeyaay people to the present day. It is part of a world view founded in the harmony of the cycles of the sky and balance in the forces of life. For the Kumeyaay, red and black represent the balance of those forces that provide for harmony within our bodies as well as the world around us.

As students, faculty, staff and alumni of San Diego State University we acknowledge this legacy from the Kumeyaay. We promote this balance in life as we pursue our goals of knowledge and understanding. We find inspiration in the Kumeyaay spirit to open our minds and hearts. It is the legacy of the red and black. It is the land of the Kumeyaay.

Eyay e’Hunn My heart is good.

Michael Miskwish – Kumeyaay

Principles of Shared Governance:

Trust is recognized as a fundamental ingredient that is essential for effective shared governance. Without trust, the practices of partnership, inclusion, open communication, ownership, and accountability are likely to break down. SDSU community members have identified three key principles for shared governance at SDSU that all rely on the fundamental ingredient of TRUST: Respect, Communication, Responsibility.

2. Approval of Agenda (Preciado)

3. Officers Report

3.1. Referrals Chart (Butler-Byrd).....4



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- 3.2. Senate Budget Update (Fuller)
- 3.3. SEC Minutes [November 17th Minutes](#) (Preciado)
- 4. Academic Affairs Report
  - 4.1. Provost’s Report (Ochoa)
  - 4.2. President comments (de la Torre)
- 5. Senate Actions (Weston)
  - 5.1. Academic Policy & Planning (Hopkins)
    - a. Retroactive withdrawal policy revision.....9
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    - c. Federal Title IV Compliance.....11
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    - e. Priority Registration for ROTC Students.....13
  - 5.2. GE, General Education Program changes (Wilson & Canary).....14
  - 5.3. Late Graduation Candidate - Undergraduate student (Weston) (Time Sensitive, vote on behalf of Senate).....18
  - 5.4. CCE Sustainability Committee appointment (Marx).....19
  - 5.5. Mirrored graduate programs at Global Campus (Weston) **Time Certain 3:00pm**
    - a. *Mirrored grad programs in Master’s of Public Health - Epidemiology (Oren)*...20
    - b. *Mirrored grad programs in Master’s of Social Work (Min)*.....27
  - 5.6 Feedback to ASCSU on the proposals from Legislative Analyst Office (LAO). (Butler-Byrd).....35
  - 5.7 UCC BA in Math added to IVC program offerings (Barbone).....37  
**Time Certain 3:45pm**
- 6. Committee Reports
  - 6.1. Academic Policy & Planning (Hopkins).....38
  - 6.2. Graduate Council (Gill) **Time Certain 3:30pm**.....40



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- 6.3. URAD Report (Vargas) **Time Certain 4:00pm**.....76
- 6.4. UCC 2022-2023 General Catalog (Barbone).....85
- 6.5. CCE Change in search committee for Vice Provost for Academic Affair (Marx)...109
- 7. Announcements (Weston)
- 8. Adjourn

January 2021 Referrals Chart								
Date Received (M/Y)	Recd by	From	ID	Title	Description	Referred Y/N/NA	Referred to (use committee full name)	
*Although Committee has completed work on this Item, it remains on Referral Chart due to Senate processes.								
01/2019	NBB	Senate Officers	19/20_06	WH Executive Order on Combating Anti-Semitism & SDSU Freedom of Expression Steps.	Review and make recommendations regarding Executive Orders on Combating Anti-Semitism and SDSU Freedom of Expression Steps.	Y	Freedom of Expression	
* 04/2019	NBB	Senate Officers	19/20_07	Additional MPP Senate Seat	Research the viability of adding an additional Senate seat for MPP staff, Classes 1 and 2.	Y	Constitution and Bylaws	
10/2019	NBB	Senate Officers	19/20_09	Revise AP&P Role in ERG Report Development	ERG Report - research AP&P role from compiling data and authoring the report to asking pertinent questions about the data.	Y	Academic Planning & Policy	
11/2019	NBB	Senate Officers	19/20_11	Outstanding Teaching Assistant Award	Create an SDSU Award for Most Outstanding Teaching Assistant.	Y	Graduate Council?	
11/2019	NBB	Freedom of Expr	19/20_12	Scholars at Risk Resolution	Review 10/31/19 draft resolution from Freedom of Expression Committee regarding Supporting Visiting Scholars at Risk.	Y	Academic Planning & Policy, University Resources & Policy, Faculty Affairs	
* 03/2020	NBB	Senate Officers	19/20_13	Clarify the use of the words "Campus" vs. "College"	Examine the way that SDSU uses the words "campus" vs. "college"? What is a college? What is a campus? Is that distinction important in the policy file?	Y	Constitution and Bylaws	
* 02/2020	NBB	Senate Officers	19/20_14	Review the Use of the Definition "Full-Time Faculty"	Review the definition of full-time faculty and create a more accurate term.	Y	Constitution and Bylaws	
* 02/2020	NBB	Senate Officers	19/20_15	Add seat(s) for non-represented staff	Research the viability of adding Senate seat(s) for non-represented (Foundation, Aztec Services, etc) staff.	Y	Constitution and Bylaws	
02/2020	NBB	Senate Officers	19/20_16	Ensuring Approval of Courses	The Academic Policy and Planning Committee Committee moves that the Senate adopt the following in the University Policy File under University Policies / Academics as follows: Regular Approval of Courses Offered Every credit-bearing course offered through SDSU, including World Campus, shall be approved by the appropriate Chair or Director of the Department, School, or Program under which the course is listed in the catalog, and by the Dean of the College in which it is housed, every time the course is offered. Approval shall include instructor, length of term, and modality.	N/A	Academic Policy & Planning	
04/2020	NBB	Senate Officers	19/20_25	UR&P Membership Additions	Motion from Senator Gordon Shackelford: Contained in the proposed renaming of AR&P to UR&P, is a fundamental restructuring of the committee's membership. AR&P, which directly advises the President on budgetary issues, includes individuals who serve the University at the pleasure of the President. While the membership of upper management is necessary to provide budgetary expertise, it can be problematic in times of institutional financial stress. Within the UR&P Proposal is the addition of four(4) Vice Presidents or their designees. To maintain the balance of the committee, and perhaps, credibility during these difficult times, I recommend the following additions to the UR&P Proposal. Recommended additions to revised membership to UR&P: Three(3) full-time faculty senators, selected by a vote of faculty members of the Senate, and the Senate Chair or their designee.	Y	University Resources & Policy	



	04/2020	NBB	Chief Information	19/20_27	Student Email Policy Change	Policy changes recommended to the Senate IIT Committee by the Chief Information Officer after consultation with the Cabinet to address issues that have arisen due to virtual instruction.	Y	Instructional & Information Technology Committee
	03/2020	NBB	Chris Werry	19/20_32	Senate Motion to Address Suspension of GVAR (Werry)	The Senate recommends authorization of the following due to COVID-19: To address the CO's March 12th directive issuing a temporary, limited suspension of in-person, timed assessments used to place students in upper-division writing classes, we ask that the senate allow the suspension of SDSU's Writing Placement Assessment, or WPA, and follow the CO's directive to "satisfy the in-person testing requirement via a course or series of courses, beginning with the 2021-22 academic year."	N	
	09/2019	NBB		19/20_34	Resolution Fostering a Welcoming and Safe Campus Climate for LGBTQIA+ Students	Clause 4, Bullet 1: Prioritize recruitment, hiring, and retention in the following areas: University Policies>Faculty>Section Tenure Track Planning>Probationary Faculty Appt of... AND Probationary Periodic Evaluation of... AND Reappt, Tenure and Promotion...(all 4) AND Retention and Development Clause 4, Bullet 2: Reappointment, Tenure and Promotion of Student Affairs Faculty: Criteria Clause 4, Bullet 3: University Policies: Staff Section	Y	Faculty Affairs
	11/2019	NBB		19/20_35	SDSU Ethnic Studies Requirement	With the goal of the 2020-21 academic year, and no later than the 2021-22 academic year, SDSU shall require, as a new undergraduate graduation requirement (distinct from the existing GE Diversity Requirement), the completion of, at minimum, one three-unit course in Ethnic Studies. The university shall not increase the number of units required to graduate from the university with a baccalaureate degree by the enforcement of this requirement.	Y	Academic Policy & Planning
3/2020 4/2020				19/20_36	SDSU University Senate Resolution: General Education Area B, D, and E Waiver for Engineering	SDSU University Senate Resolution: General Education Area B Waiver for Engineering University Policies>Academics>General Education> <b>Waivers for Engineering</b> 1. Engineering majors are exempt from completing a 3-unit course in the "Explorations in Social and Behavioral Sciences" area (CSU GE Area D explorations). 2. Engineering majors are exempt from completing a 3-unit course in the "Lifelong Learning and Self-Development" area (CSU GE Area E).	Y	Undergraduate Curriculum Committee /General Education SubCommittee need to review
	03/2020			19/20_37	SDSU University Senate Resolution to Establish an Official Campus Policy to Fly the Kumeyaay Nations Flag on the SDSU Campus	Policy File>Policies/Facilities> Kumeyaay Nations Flag The San Diego State University Senate and the San Diego State University Administration shall adopt as an explicit and binding University Policy that the Kumeyaay Nations flag be raised, lowered, and appropriately respected on the SDSU campus.	Y	Campus Development Committee
	05/2020	NBB	Senate	19/20_39	Motion to Approve New Policy File Language for Membership on DEI	Add Kumyaay rep to DEI Committee	Y	
	05/2020	Officers	Expanded SEC	19/20_40	Request for change to Policy File to add lecturer(s) (and staff?) on the Expanded SEC	Research and recommendations regarding adding lecture(s) (and staff) reps to the Expanded SEC.	Y	Constitution and Bylaws
	06/2020	NBB	Senate Chair Weston	20/21_1	Policy on hateful rhetoric the use of shared SDSU digital resources.	In Policy File sections relevant to Freedom of Expression there is great consideration given to delineating the time, place, and manner of campus speech, with care to ensure that free speech does not inappropriately disrupt the ability of students to study and faculty to conduct their teaching and research. However, this language has not been updated since the advent of the digital and online, which has provided an unprecedented level of communicative access for colleagues that students, faculty and staff cannot "opt out of". Specifically, sharing hateful rhetoric that opposes campus values of diversity and inclusion.	Y	Freedom of Expression Committee, Academic Policy & Planning
	07/2020	NBB	Senate Chair Weston	20/21_2	3.2 Policy on Professional Growth regarding RTP (journal metrics versus journal impact factor)	Research and examine RTP policy regarding journal metrics versus journal impact factors)	Y	Faculty Affairs

	07/2020	NBB	Senate Chair Weston	20/21_3	Student Attendance Policy	President de la Torre asked Wil Weston to look at the Student Attendance Policy to ensure it offers us protection in case of a Department of Education audit. Specifically, the university must be able to prove students receiving federal funds (e.g., Pell Grants) actually attended the university during the first two weeks of a semester, or the university risks having to pay back potentially large sums of money to the Department of Education.	Y	Academic Policy & Planning
	05/2020	NBB	Nola Butler Byrd	19/20_44	Creating a More Equitable and Welcoming Environment for Women Faculty of Color	Resolution developed by Women Faculty of Color regarding equity and social justice issues on campus re Fair Retention and Promotion Processes and Support.	Y	Faculty Affairs
	06/2020	NBB	Officers	20/21_4	Policy to Rescind Emeritus Status (requested title change from G. Shackelford: "Research the appropriateness of developing a policy for rescission of emeritus status.")	Research and develop policy and procedures to rescind Emeritus status. Amend Emeritus status policy to include a rescission clause	Y	Academic Policy & Planning
	07/2020	NBB	Officers	20/21_6	Faculty Rights, Workloads and Well-Being During Coronavirus	Because of the impacts of the pandemic on the SDSU budget, Senate Officers request that Faculty Affairs research previous Senate responses to budget cuts and strategies used to support the best interest of faculty members at all levels during budget decision-making in order to develop guiding principles and strategies regarding Faculty rights, workloads and well-being.	Y	Faculty Affairs;
	07/2020	NBB	Officers	20/21_7	Shared Governance Strategies and Guiding Principles for Budget	Because of the impacts of the pandemic on the SDSU budget, Senate Officers request that UR&P research previous Senate responses to budget cuts and strategies used to support senate voice in budget decision-making in order to develop guiding principles and strategies for dealing with our current budget issues.	Y	University Resources & Policy
	08/2020	NBB	Officers/Provost	20/21_8	Update policy file to add University Senate-elected representatives to AVP searches	Administrative Searches for AVPs consider updating policy-file to formalize provost commitment to shared governance in having these searches with University Senate elected representatives similar to academic dean searches	Y	Academic Policy & Planning
	08/2020	NBB	Officers	20/21_9	DEI Membership & Voting Rights Update	Review and update committee membership and voting rights, then update policy file	Y	Diversity Equity & Inclusion
	08/2020	NBB	Officers	20/21_10	URP Membership & Voting Rights Update	Review and confirm committee membership & voting rights, then update policy file	Y	URP
	09/2020	NBB	Officers	20/21_11	Professors of Practice	Provost Ochoa announced in the 9/1/20 Senate meeting that Professors of Practice will be instituted in HHS. Policy and diversity implications from the senate perspective needed.	Y	Faculty Affairs
*	09/2020	NBB	Officers	20/21_12	Bylaw changes due to reorganizations and other administrative changes	Bylaw changes due to reorganizations: (1) Addition of the Dean of Graduate Affairs as voting ex-officio member; (2) removal of the Dean of Global Campus as voting ex-officio member (see same status as SDSU Imperial Valley dean below); (3) Addition of AVP for International Affairs takes place of recent elimination of AVP for Faculty Advancement; (4) Addition of AVP for Enrollment Management to replace the recent elimination of AVP Faculty Diversity; (5) Addition of Dean of SDSU Imperial Valley as non-voting ex-officio member; (6) Addition of Dean of Global Campus as non-voting ex-officio member; (7) Change to bylaws for the University Resources Planning Committee: Addition of ex-officio voting member--University Senate Treasurer. (8) DEI committee 2 membership additions: SDSU Tribal Liaison and Chair of the Hispanic Serving Institution Task Force. (9) AP&P and Staff Affairs collaborated to add a staff position to the AP&P committee. (10) UR&P requests the addition of an SDSU Imperial Valley administrator as a voting member.	Y	Constitution and Bylaws
*	09/2020	NBB	Undergraduate Council-AVP Joanna Brooks	20/21_13	Review COVID-related policies established in Spring 2020	Undergraduate Council reviewed COVID-related policies established in Spring 2020 so as to refer with recommendations to AP&P. Extend Pandemic Withdrawal Policy. The AP&P Committee moves that the Senate adopt the following extension of an emergency policy from last Spring 2020 in order to support students during this Fall 2020 semester and any future semester impacted by the pandemic. Suspension of WPA through the duration of the COVID-19 impacted Semesters - At its 10/9/20 meeting, the Undergraduate Council developed a recommendation to extend suspension of the campus WPA exam through the duration of COVID-impacted semesters and to continue to place students directly in "W&#39;&#39; courses as an alternative.	Y	Academic Policy & Planning

	07/2020	NBB	Wil Weston	20/21_6		Faculty Rights, Workloads and Well-Being During Coronavirus	Because of the impacts of the pandemic on the SDSU budget, Senate Officers request that Faculty Affairs research previous Senate responses to budget cuts and strategies used to support the best interest of faculty members at all levels during budget decision-making in order to develop guiding principles and strategies regarding Faculty rights, workloads and well-being.	Y	Faculty Affairs & Library Senate Committee on exploring and improving access to library resources while researching remotely (ILL, Access to online databases and archives, and access to multi-user ebooks for student research.)
*	07/2020	NBB	AP&P/SEC/Jose Preciado	20/21_14	Congruent policy language regarding 19/20_30 Addition of One Staff Member to the Committee on Academic Policy and Planning		Referral to CBL regarding 19/20_30 Addition of One Staff Member to the Committee on Academic Policy and Planning. This referral was already approved by AP&P & Staff Affairs. Policy description needs to be made congruent with other relevant descriptions in the senate policy file. "One staff representative to AP&P shall be elected by the Staff Affairs Committee. The staff representative will have experience with campus academic policies." Relevant policy file language: "3.3 Committee on Academic Policy and Planning 3.31 Membership (14) 3.311* Ex officio: the Provost and Senior Vice President or designee, the Associate Vice President for Faculty Advancement and Student Success, and the Dean of Graduate Affairs. *Editorial change made August 20, 2020. 3.312 Appointed: nine faculty members, one from each college, the Library, and SDSU Imperial Valley, nominated by the Committee on Committees and Elections and appointed by the Senate, at least two of whom shall be elected senators; two students appointed in accordance with procedures established by the Associated Students."	Y	Constitution and Bylaws
*	09/2020	Jose Preciado	DEI	20/21_15	Syllabus Action Item on Kumeyaay Land Acknowledgment		Syllabus Action Item on Kumeyaay Land Acknowledgment		
*	10/2020	Officers	Graduate Council	20/21_18	Renaming Graduate Affairs to the College of Graduate Studies		Recommendation: Renaming Graduate Affairs to the College of Graduate Studies On October 8, 2020 the Graduate Council unanimously endorsed renaming Graduate Affairs the "College of Graduate Studies." On October 27, 2020 CBL voted unanimously to approve the renaming. Rationale: There are many universities in the United States that use the name "College of Graduate Studies" for academic and/or administrative purposes. CBL could not think of a compelling reason why Graduate Affairs should not also use the name.	Y	Constitution & Bylaws
	11/2020	Officers	Narelle MacKenzie	20/21_19		Academic Dishonesty During COVID-19 Online Teaching	Faculty seeking to better understanding the judicial process for students committing Academic Dishonesty. This is for a variety of reasons and primarily to do with not understanding the process of what exactly happens to students. the CSRR website contains information about the process but it still is somewhat a mystery. Reports of more students dealing with Academic Dishonesty.	Y	CSRR Center for Student Rights & Responsibilities and
	11/2020	Officers	VP Luke Wood	20/21_20		SDSU Mission Statement	Revised mission statement develop as part of the strategic plan	N	
	11/2020	Officers	Stefan Hyman/SEC	20/21_21		Title IV Complication and Term Credit Limit Proposals	Policy updates regarding U.S. Dept of Education policies regarding returning financial aid and revising term credit limit from 17 or 18 units.	Y	Academic Policy & Planning
	11/2020	Wil Weston	Dean of Grad Studies Ed Balsdon	20/21_22		Graduate Council New Program Proposals	Graduate Council New Program Proposals a. Mirrored grad programs in Master's of Public Health - Epidemiology (2/3 vote).b. Mirrored grad programs in Master's of Social Work (2/3 vote)		
	11/2020	Wil Weston	AVP Joanna Brooks	20/21_23		Emergency Change to SPRING 2021 Academic Calendar (Joanna Brooks, Eyal Oren)	Revised Policy File Section: Nondiscrimination and Equality Opportunity 7.1 and 7.2. Added S8.0 Diversity Councils		

	11/2020	NBB	Wil Weston/Jose Preciado	20/21_24	Diversity, Equity and Inclusion Committee- Policy File Update- Department Diversity Councils			
	12/2020	Wil Weston	Envrinment & Safety Cmte Chairi Sriehar Seshagiri	20/21_25	Want to update their committee charter	Type of lighting that we are using on campus (is it the most efficient?) and is there enough lighting on campus for safety (there is not). This would require a Photometric Study (footcandles in traffic areas). Lab. Update/Safety		
	12/2020	Wil Weston	URP Chair Ryran	20/21_26	URP Budget Planning Report--12/7/2020 Proposed Budget Communicatiion Process	Presentatiion re Budget planniing report for SEC and Senate--12/7/2020 Proposed Budget Communicatiion Process		

Date: January 11, 2020  
To: SEC / Senate  
From: D.J. Hopkins, Chair, Academic Policy and Planning Committee  
Subject: ACTION: Retroactive withdrawal policy revision

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5.1 a

ACTION: The AP&P Committee moves that the Senate adopt the following revision to the retroactive withdrawal approval process.

Retroactive Withdrawal

9.21 After the last day of the semester or session, a student who wishes to change assigned grades to W grades shall request to withdraw from the full semester's or session's work; no requests for individual classes shall be accepted. Such requests may be granted only in verified cases such as accident or serious illness where the cause for substandard performance was beyond the student's control. Only those retroactive changes from an assigned grade to a W which are approved by the instructor who assigned the original grade shall be made ~~except that (a) or~~ **that are approved by** the dean or designee **(including assistant deans)** of the college of the student's major ~~shall authorize the change of U to W, and (b) department chairs or school directors shall act on behalf of instructors no longer affiliated with the university.~~

Rationale: As the campus moves toward a more coordinated and effective approach to academic advising, it is important to streamline existing processes so as to free up assistant deans and other critical advising personnel to focus on student service. Currently, several assistant deans are tasked with the responsibility of manually populating Adobe EchoSign retroactive withdrawal forms with the names of past instructors so that each past instructor has the opportunity to review and approve students' petitions for retroactive withdrawal. Requiring individual instructor approval may extend the time it takes to process the retroactive withdrawal by two weeks or more. Given that the circumstances necessitating these withdrawals are—as the Policy File stipulates—beyond the control of the student (or the faculty member), these petitions should be able to be approved by Deans or their designees (presumably, assistant deans).

Date: 11 January 2021 5.1 b  
To: SEC / Senate  
From: D.J. Hopkins, Chair, Academic Policy and Planning Committee (AP&P)  
Subject: ACTION: Term Credit Limits

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**ACTION:** The AP&P Committee moves that the Senate adopt the following policy to establish new undergraduate registration policies beginning in Fall 2021.

During initial registration, undergraduate students can enroll in a maximum of 18 units. One week before the start of each semester, the credit limit will be raised to 21 credits. All undergraduates wishing to register for more than 21 credits will be required to have the approval of the academic department that houses their first major, or a delegated advisor, Assistant Dean or department designee.

**Rationale:** The new policy would replace current registration practices which allow students to overload in credits with no defined maximum. An examination of student performance reveals that (a) students enrolled in 17-20.9 units generally have higher term GPAs than those enrolling in fewer units; (b) students enrolled in 21-23.9 units generally perform well, too, however, those in that range of units have a slightly higher rate of D/F/W grades; and (c) students enrolled in 24 or more credits have significantly lower average term GPAs, much higher rates of D/F/W grades, and are more likely to be on probation or disqualified. This policy does not prohibit students from enrolling in more than 21 credits, but requires approval for doing so, enabling important conversations in order to foster academic success.

Date: 11 January 2021  
To: SEC / Senate  
From: D.J. Hopkins, Chair, Academic Policy and Planning Committee  
Subject: ACTION: Federal Title IV Compliance

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5.1 c

**ACTION:** The AP&P Committee moves that the Senate adopt the following policy to establish new federal class roster verification processes beginning in Fall 2021 in order to ensure compliance with Title IV financial aid policies.

- Technical infrastructure will be established by ITS for roster verification in SIMS, PeopleSoft, and Canvas, including manual (marking rosters), semi-manual (uploading a spreadsheet) and semi-automatic (granting ITS access to class participation data through tools like Qwickly) methods for instructors to mark student activity.
- Instructors of all courses will use their choice of the roster verification methods to indicate which students have attended class or engaged in an academic activity; this is to be completed within 5 days after the add/drop deadline each semester.
- The Office of Financial Aid and Scholarships will utilize the roster/participation data to adjust financial aid packages as required by Department of Education policy.

**Rationale:** The U.S. Department of Education requires institutions to return funding from Title IV financial aid programs no later than 30 days after the institution becomes aware that a student who has received aid will not or has not begun attendance or participation in an academic activity. The Secretary of Education considers that a student has not begun attendance in a payment period or period of enrollment if the institution is unable to document the student's attendance at any class during the payment period or period of enrollment (34 C.F.R. § 668.21). Peer institutions including Colorado State University, University of Missouri–Columbia, Stony Brook University, and UC Davis have received significant fines after federal audits found them to be out of compliance. This new policy is intended to (a) ensure compliance, (b) minimize faculty and staff workloads, and (c) protect our most economically-vulnerable students from loss of financial aid.

Date: 11 January 2021  
To: SEC / Senate  
From: D.J. Hopkins, Chair, Academic Policy and Planning Committee  
Subject: ACTION: Documentation on Admissions Exceptions Policies

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5.1 d

ACTION: The AP&P Committee moves that the Senate adopt the following revisions to SDSU's Admissions by Exception policies.

1. The Senior Director of Enrollment Services, AVP of Enrollment Services, and Vice Provost for Academic Affairs will approve admissions exceptions.
2. All student-athletes who are accepted by exception will be required, by contract, to participate in a designated sport for a minimum of one academic year.

Rationale:

Admission exceptions are made for select students who do not meet minimum CSU eligibility due to lack of an a-g course (for freshmen), lack of 60 units (for transfers), or lack of a minimum cumulative GPA established by CSU (i.e., a limited number of student-athletes, students whose secondary school curricula is not aligned with California's A-G system, etc.). The Chancellor's Office has historically allocated a fixed number of students who can enroll, having been granted admission by exceptions, to each campus (typically ~100 students for SDSU). In addition, SDSU has historically granted exceptions to impactation criteria for contractual and mission-driven reasons (i.e., MOU agreements with local school districts, Project Rebound students, EOP and Guardian Scholars, students recommended by SASC, military-affiliated students recommended by armed forces leaders and the Veterans Center).

In 2019, following high profile college admissions bribery scandals, CSU conducted an internal audit of SDSU's admit exception policies. SDSU's policies were proven to be well-documented. The CSU issued new guidance in alignment with Assembly Bill 1383 in October 2020. These include (a) ensuring the campus exception policy has articulated standards to inform the campus' Admission by Exception decisions, (b) only admitting students by exception if it has been approved and documented prior to the student's enrollment by a minimum of three senior campus administrators (MPPs at the level of a Dean or higher), and (c) establish a policy that requires students who are admitted by exception into an intercollegiate athletic program to participate in that sport for a minimum of one academic year. Changes in Enrollment Services' Exceptions to Admissions policies are intended to ensure compliance with CSU guidance.



Date: 11 January 2021  
To: SEC / Senate  
From: D.J. Hopkins, Chair, Academic Policy and Planning Committee  
Subject: ACTION: Priority Registration for ROTC Students

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5.1 e

ACTION: The AP&P Committee moves that the Senate adopt the following policy.

Beginning with Fall 2021 registration, Reserve Officer Training Corps (ROTC) will be recognized as an early registration group.

Rationale: SDSU enrolls approximately 150 ROTC students each year. Their majors are spread across campus and not concentrated in any one major or college. To remain in good standing, ROTC students must attend academic classes (classroom-based and field training), participate in mandatory physical training sessions, and maintain a Service-directed minimum GPA. Students must graduate in the month and year that is determined in their government contract, so there is little room for contingencies. Students who break a graduation contract can be disenrolled from ROTC. If disenrolled, they are subject to recoupment of scholarship benefits or being called to active duty in an enlisted grade. Since Spring 2016, there have been multiple incidents where contracted cadets have been forced to delay their availability to the Department of Defense because of enrollment issues. By granting priority registration to ROTC students, SDSU would join a significant number of peer institutions which already do so, including UCSD, California Polytechnic State University, University of Virginia, Pennsylvania State University, and the University of Illinois (among many others).

TO: Senate Executive Committee / Senate 5.2  
FROM: Heather Canary & Gregory Wilson  
Co-Chairs, General Education Curriculum and Assessment Committee  
DATE: January 19, 2021  
RE: GENERAL EDUCATION PROGRAM

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**Action**

**II. FOUNDATIONS OF LEARNING**

**B. Social and Behavioral Sciences**

*Change to title*

POL S 104. Introduction to Global Politics (3) [GE]

Remainder of description (*no change*)

**III. LIFELONG LEARNING AND SELF-DEVELOPMENT**

*Change to description and GE area fulfillment*

CFD 135. Principles of Family Development (3) [GE]

Family development in society to include applications of theory and research, lifelong learning, and self-reflection. Divorce, family dynamics and resource management, marriage, and parenting.

**IV. EXPLORATIONS OF HUMAN EXPERIENCE**

**B. Social and Behavioral Sciences**

*New course*

\*AMIND 350. American Indian Environmental Management (3) [GE]

Prerequisite(s): American Indian Studies 110.

Indigenous astronomical, botanical, and ecological knowledge with emphasis on California Indians. Integration of traditional knowledge and western sciences in contemporary tribal governmental efforts at environmental management.

*New course*

\*LGBT 350. Queer of Color Studies (3) [GE]

Prerequisite(s): Upper division standing.

LGBTQ+ identities and color. Critiques of assumed whiteness. Intersections of difference based on ability, age, class, ethnicity, gender identity, nationality, race, and sexual orientation. Forms of knowledge, lives and histories, representations, self-expression, and stereotypes.

*Change to general text*

\*POL S 300. Islam and Politics (3) [GE]

Concepts, interactions, and theories between Islamic actors and political institutions. Islam-state relations.

General Text: Comparative Politics.

*Change to description and title*

POL S 356. European Politics (3) [GE]

Politics of the European Union and Western Europe. Contemporary regional challenges to include Euroskepticism, immigration, independence, and populism.

*Change to description and title*

POL S 359. Government and Politics in Russia and Eurasia (3) [GE]

Transformations of economic, political, and social systems in Russia and the republics of the former Soviet Union. Eurasian union, its implications and prospects for global and regional politics.

*Change to description and prerequisite*

POL S 361. Governments and Politics of the Developing Areas (3) [GE]

Relationship between economic development and socio-political change in developing countries. Models of development. Role of domestic politics and international institutions.

*Change to description*

POL S 362. Governments and Politics of East Asia (3) [GE]

Change and continuity in foreign policies and internal political institutions of China, Japan, North and South Korea, and Taiwan.

*Change to description*

POL S 363. Governments and Politics of the Middle East (3) [GE]

Contemporary states in the Middle East. Authoritarianism in the region. Relations between Middle Eastern and Western countries.

*Change to description*

POL S 365. Chinese Politics (3) [GE]

In-depth study of contemporary politics, economic development, and political history of China and Taiwan. External relationship between China, Taiwan, and the U.S.

*Change to general text and prerequisites*

POL S 370. Political Violence (3) [GE]

Underlying conditions, expressions, and consequences of violence within political systems.

General Text: International Politics

*Change to description, GE fulfillment, number, prerequisites, and course statement*

\*TE 472. Ethnic Identity Development in Education (3) [GE]

Prerequisite(s): Upper division standing.

Ethnic and racial identity exploration and development through curriculum for improving academic achievement of students in K-12 schools. Ethnic and racial socialization of children and identity exploration of American ethnic groups.

Course Statement: Formerly numbered Teacher Education 512.

### **C. Humanities**

*Change to description*

\*CLASS 360. Sex, Gender, and the Erotic in the Ancient World (3) [GE]

Prerequisite(s): Recommended: Rhetoric and Writing Studies 200 with a grade of C (2.0) or better.

Sexual lives of Greeks and Romans in classical art, literature, and material culture. Constructions of body aesthetics, desiring subjects and desired objects, the erotic, and gender norms. Modern receptions and theoretical interpretations of ancient sex.

*New course*

\*LGBT 333. Trans/Gender Studies (3) [GE]

Diversity of queer/trans identities in history and now. Trans lives and cultures to include oppression and resistance. Cis privilege and alliances. Intersections of ability, age, class, color, and sexuality with trans identities.

*Change to description and title*

MUSIC 345. Music Cultures of the World (3) [GE]

Art, folk, popular, and sacred music case studies drawn from Africa, Asia, Europe, Latin America, and the United States with attention to the relationship between culture, history, and music. Concert attendance required in fall and spring semesters.

*Change to prerequisites*

REL S 338. Buddhism (3) [GE]

Life and teachings of Buddha, foundational concepts of Theravada, Mahayana, and Vajrayana Buddhism. Buddhist psychology and soteriology, meditative techniques, ethical issues; contemporary Buddhism, particularly in America.

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\*Cultural diversity course

Report prepared and respectfully submitted by Curriculum Services on behalf of the General Education Curriculum and Assessment Committee.



Enrollment Services  
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and Evaluations  
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January 8, 2021

In accordance with Senate policy, lists of baccalaureate degree candidates for December 2020 graduation have been distributed.

Lists of candidates for advanced degrees, as approved by the Graduate Council, have also been distributed. Each faculty member has been given the opportunity to approve or disapprove the candidates by ballot: a total of 26 ballots were received.

The following student applied late and do not appear on any list:

**Raul Caleb Perez**                      **BS**                      **Child Development**

It is requested that the Senate, subject to completion of degree requirements, approve all candidates for baccalaureate and advanced degrees.

TO: Senate  
FROM: David Marx, Chair, Committee on Committees and Elections  
DATE: February 2, 2021  
RE: Action Item

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5.4

**Action Item 1:** The Committee on Committees and Elections moves to appoint the following individual as representative to the committee noted below. All terms are for 3 years unless otherwise noted.

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**Faculty Representation:**

1. Otto Delacruz (SDSURF) – **Sustainability Committee** - SDSU Research Foundation Director of Facilities (or designee)
- 

**Action Item 2 (informational):** Below are the names of senators who are not currently represented on a committee.

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A&L

Farid Abdel-Nour  
Angelo Corlett  
Mathias Schulze

Lecturers

Ajani Brown, Africana Studies, CAL  
James Brown, Art and Design, PSFA

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The College of Health & Human Services' School of Public Health requests approval to implement a self-support counterpart to an existing state-supported degree. A new instance of the Master of Public Health, Concentration in Epidemiology will be established and offered through SDSU Global Campus. The proposed advisor for this new offering is Dr. Eyal Oren. The program sponsor (coordinating logistical and hiring decisions with Global Campus) will be Dr. Jennifer Munday.

With expected labor market growth in this area above average at 12-15% growth over the next 10 years, this hybrid program is designed to meet the increasing demand for public health professionals. It will be an intensive, hybrid Master's program running year-round. The new instance will serve a student population that cannot participate in the existing program due to the modes of instruction, class times and/or total program length.

This self-support offering meets all degree requirements for the existing state-support program, and no substantive changes are needed to the Graduate Bulletin. Although there will be only one Graduate Bulletin entry for this Master's degree, the state-supported and self-supported instances will have different SIMS major codes. The new instance meets all requirements of Executive Order 1099 for self-support programs. Students in the state- and self-supported instances of this Master's degree will not register for courses from the alternative version. Registration exceptions will be very rare, and subject to approval by Graduate Studies.

This proposal has been approved by Drs. Oren and Munday, Dr. Hala Madanat (former Director of the School of Public Health), and HHS Dean Hooker. Graduate Council has reviewed and approved the academic components.



**Request to Implement a Self-Support Counterpart  
of a Previously Approved State-Support Program  
(Executive Order 1099, Article 11.1.2.3)**

We request approval to implement a self-support counterpart of a previously approved, state-support Master of Public Health, Concentration in Epidemiology which is an existing degree.

**Specification of the Program’s Qualifications to Operate on a Self-Support Basis  
(Executive Order 1099, Article 5.1 and 5.2)**

The hybrid Master of Public Health, Concentration in Epidemiology, an intensive master’s program, would run year-round and satisfies Article 5.1 and Article 5.2, paragraphs a., b., and c.

**Article 5.1**

- a. Article 5.1.1 CSU operating funds are unavailable or inappropriate during Summer Sessions or Intersessions between college terms.
- b. Article 5.1.2 Students will be charged the full cost of instruction and any applicable campus-based fees for extended education programs.
- c. Article 5.1.3 Students will not be charged the nonresident tuition fee in addition to the extended education fees.

**Article 5.2**

- a. Article 5.2.a A large portion of the potential students are working adults.
- b. Article 5.2.b The program is not located on permanent, state-support campus facilities.
- c. Article 5.2.c The program curriculum is delivered online with a field placement component that will be in-person.

**Confirmation that the Existing State-Support Offering is not being Supplanted (Executive Order 1099, Article 6.1)**

**Article 6.1 Supplanting**

- a. Article 6.1.1 Self-supporting special sessions will not supplant regular course offerings available on a non-self-supporting basis during the regular academic year. The fully-online didactic courses for the

self-support program will be promoted to students who, because of work schedule, geographic location, or other reasons cannot attend primarily face-to-face instruction and therefore need hybrid instruction.

- b. Article 6.1.2 State-supported matriculated students will not be required to enroll in self-support courses in order to fulfill the graduation requirements of a state-supported degree program.

The self-support Master of Public Health, Concentration in Epidemiology is a cohort-based graduate program. For students admitted to the self-support program, the use of an hybrid modality facilitates program completion in two years and at a pace that meets the needs of working adults. All online lecture-based courses in the program use a standardized template and are modularized so that they can be completed successfully in eight weeks. The field internship courses that require a 15-week face to face commitment will be offered on the basis of 15-week terms instead of eight weeks. The majority of the coursework offered will be online, with the critical field placement portion face-to-face, resulting in this hybrid model.

All students must meet the general requirements for advancement to candidacy, satisfactorily pass a faculty evaluation of the progress that they are making in their graduate course of study, complete the core courses (Public Health 601, 602, 603, 604), have a grade point average of at least 3.0 and no grade less than a B– in each core course completed, and have completed at least 12 semester units of approved public health coursework. In addition, the student must be recommended for advancement to candidacy by the faculty of the School of Public Health.

In addition to meeting the requirements for classified graduate standing and the basic requirements for the master's degree the student must complete an officially approved course of study of not less than 51 units including: Public Health 601, 602, 603, 604, and 605, a minimum of 21 units of graduate courses in Epidemiology, complete a minimum of three and a maximum of 12 units of supervised field placement, and electives selected with the approval of the graduate adviser. In addition, Public Health 797, Research, Public Health 798, Special Study, or Public Health 799A, Thesis, must be included in the program as a capstone experience. The Epidemiology concentration requires three units of field placement for the Master of Public Health degree. Up to nine units of graduate credit may be accepted in transfer, with the approval of the graduate adviser. In special circumstances, the graduate adviser may approve one course not on the list of prescribed electives. The substitution must be approved prior to enrollment in the course.

### **Rationale for Program and New Support Mode**

The purpose of this Master of Public Health, Concentration in Epidemiology program would be targeting a different audience; namely those with at least three years of work experience, who are currently working in the field, need a Master of Public Health, Concentration in Epidemiology to

advance in their careers, and are unable to attend our face to face programs. In addition, a letter of commitment from their employer will be requested to ensure the employer is committed to providing some flexibility for the student to participate in the program and maybe assist with the student's capstone. The program will be run by the School of Public Health, internships will be obtained either through the student's current employer or another site of the program director's recommendation, and will be taught by a mix of lecturers and tenure track faculty. Director Nick Macchione, representing our main partner agency, County of San Diego's Health and Human Services Agency, has indicated his support and believes many of his staff would be great candidates for the program.

### **Detailed Cost-Recovery Budget**

Detailed five-year cost-recovery budget attached. The following are estimated student costs of the self-support program:

- Fees per unit - \$562
- Total cost to complete the program
  - 51 Units - \$28,662

### **Anticipated Enrollment and Demand**

Anticipated enrollment from the first admission cycle of the self-support program is up to 30 students with an expected minimum enrollment of 22 students, based on a 14% attrition rate.

There were nearly 228,000 employed nationwide in careers requiring this degree and over 27,000 job listings nationally last year. Anticipated job growth over the next 10 years for related jobs requiring this degree is 12-15%, much higher than the baseline average of 7-8%, with data-driven occupations ranking higher than medical or clinical occupations in this market. Salaries average at \$60K which is higher than the national average of \$47K, in a range of \$45K to \$108K.

2019 research shows high search demand for hybrid master's of public health and/or epidemiology degrees, showing from 1000 to 18,100 monthly searches for associated keywords.

Marketing and promotion of the program will be handled by Global Campus and the College of Health and Human Services marketing staff.

### **Campus Commitment to Provide Adequate Faculty Resources**

Faculty who teach state-supported courses in the Master of Public Health, Concentration in Epidemiology have been contacted regarding their willingness to participate in the design and

delivery of hybrid equivalents to their current face-to-face courses in accord with the Quality Online Learning and Teaching (QOLT) instrument developed by the CSU. The level of faculty interest is very high. They are excited by the prospect of teaching working adults in a hybrid format. The School of Public Health has more than sufficient capacity to provide the necessary teaching on an overload basis. Because this is a regular degree program, it will be carefully examined by the Council on Education for Public Health (CEPH). The program will be accredited by implementation and remains so until the next scheduled accreditation review. When reviewed, it will be subject to the same accreditation criteria (i.e., faculty, curricula, student qualifications) as the on-campus programs.

There are no variances in curriculum between the existing approved face-to-face and the proposed hybrid program. However, electives will be selected by the department to be offered online as part of this program and may not include the entire list of electives offered in the face to face campus program.

### **Anticipated Impact on the Existing State-Supported Program**

There is no anticipated impact on state-support regular course offerings because of the self-support program. The hybrid delivery modality, format, and target audience (working adults) differentiates this program from the state-side, face-to-face program.

## Appendix A

### Master of Public Health, Concentration in Epidemiology

*Minimum of 51 units required*

	Approved Face-To-Face Program	Hybrid Master's Program
Required Core Courses for the Major (15 units)	<ul style="list-style-type: none"> <li>• PH 601 Epidemiology (3)</li> <li>• PH 602 Biostatistics (3)</li> <li>• PH 603 Behavioral and Social Science in Public Health (3)</li> <li>• PH 604 Environmental Determinants of Human Health (3)</li> <li>• PH 605 Health Services Administration (3)</li> </ul>	<ul style="list-style-type: none"> <li>• PH 601 Epidemiology (3)</li> <li>• PH 602 Biostatistics (3)</li> <li>• PH 603 Behavioral and Social Science in Public Health (3)</li> <li>• PH 604 Environmental Determinants of Human Health (3)</li> <li>• PH 605 Health Services Administration (3)</li> </ul>
Courses required for the Epidemiology concentration: (21 units required)	<ul style="list-style-type: none"> <li>• PH 620 SAS for Biostatistics I (3)</li> <li>• PH 621 Epidemiology of Infectious Diseases (3)</li> <li>• PH 622 Epidemiology of Chronic Diseases (3)</li> <li>• PH 623 Epidemiological Methods (3)</li> <li>• PH 627 Advanced Statistical Methods in Public Health (3)</li> <li>• PH 629 SAS for Biostatistics II (3)</li> <li>• PH 650R Field Practice: Required Community Practice (3) Cr/NC</li> </ul>	<ul style="list-style-type: none"> <li>• PH 620 SAS for Biostatistics I (3)</li> <li>• PH 621 Epidemiology of Infectious Diseases (3)</li> <li>• PH 622 Epidemiology of Chronic Diseases (3)</li> <li>• PH 623 Epidemiological Methods (3)</li> <li>• PH 627 Advanced Statistical Methods in Public Health (3)</li> <li>• PH 629 SAS for Biostatistics II (3)</li> <li>• PH 650R Field Practice: Required Community Practice (3) Cr/NC</li> </ul>
Prescribed Electives (minimum of 6 units)	<ul style="list-style-type: none"> <li>• PH 625 Control of Infectious Diseases (3)</li> <li>• PH 626 International Health Epidemiology Practicum (3)</li> <li>• PH 628 Applications of Multivariate Statistics in Public Health (3)</li> <li>• PH 649 Border and Global Public Health Surveillance (3)</li> <li>• PH 700A Seminar in Public Health: Epidemiology (3)</li> </ul>	<p>(courses below will be offered in this hybrid program; additional electives may be added to this hybrid program at a later date)</p> <ul style="list-style-type: none"> <li>• PH 625 Control of Infectious Diseases (3)</li> <li>• PH 649 Border and Global Public Health Surveillance (3)</li> <li>• PH 700A Seminar in Public Health: Epidemiology (3)</li> </ul>

	<ul style="list-style-type: none"> <li>● PH 724 Advanced Methods in Epidemiology (3)</li> <li>● PH 725 Scientific Writing for Epidemiology (3)</li> <li>● PH 726 HIV/AIDS Epidemiology (3)</li> <li>● PH 728 Applied Data Analysis (3)</li> <li>● PH 823 Case-Control Studies (3)</li> <li>● PH 824 Cohort Studies (3)</li> </ul>	
Electives: (Up to 6 units)	Up to 6 units selected from the graduate bulletin with approval of concentration faculty from any face to face graduate level public health course.	Up to 6 units selected with approval of concentration faculty from any Global Campus online graduate level public health course.
Capstone or Thesis Experience (3 units)	<ul style="list-style-type: none"> <li>● PH 797 Research (3)</li> <li>● PH 798 Special Study (3) Cr/NC</li> <li>● PH 799A Thesis (3) Cr/NC</li> </ul>	<ul style="list-style-type: none"> <li>● PH 798 Special Study (3) Cr/NC</li> <li>● PH 799A Thesis (3) Cr/NC</li> </ul>

The College of Health & Human Services' School of Social Work requests approval to implement a self-support counterpart to an existing state-supported degree. A new instance of the Master of Social Work will be established and offered through SDSU Global Campus. The proposed advisor for this new offering is Dr. Jong-Won Min. The program sponsor (coordinating logistical and hiring decisions with Global Campus) will be Dr. Annie Keeney.

With expected labor market growth in this area above average at 16% growth over the next 10 years, this hybrid program is designed to meet the increasing demand for social work professionals. It will be an intensive, hybrid Master's program running year-round. The new instance will serve a student population that cannot participate in the existing program due to the modes of instruction, class times and/or total program length.

This self-support offering meets all degree requirements for the existing state-support program, and no substantive changes are needed to the Graduate Bulletin. Although there will be only one Graduate Bulletin entry for this Master's degree, the state-supported and self-supported instances will have different SIMS major codes. The new instance meets all requirements of Executive Order 1099 for self-support programs. Students in the state- and self-supported instances of this Master's degree will not register for courses from the alternative version. Registration exceptions will be very rare, and subject to approval by Graduate Studies.

This proposal has been approved by Drs. Jong-Won Min and Annie Keeney, and HHS Dean Hooker. Graduate Council has reviewed and approved the academic components.

**Request to Implement a Self-Support Counterpart  
of a Previously Approved State-Support Program  
(Executive Order 1099, Article 11.1.2.3)**

We request approval to implement a self-support counterpart of a previously approved, state-support Master of Social Work (MSW) degree, which is an existing major.

**Specification of the Program’s Qualifications to Operate on a Self-Support Basis  
(Executive Order 1099, Article 5.1 and 5.2)**

The Master of Social Work is a hybrid, intensive master’s degree program that would run year-round and satisfies Article 5.1 and Article 5.2 paragraphs a., b., and c.

**Article 5.1**

- a. Article 5.1.1 CSU operating Funds are unavailable or inappropriate during Summer Sessions or Intersessions between college terms.
- b. Article 5.1.2 Students will be charged the full cost of instruction and any applicable campus-based fees for extended education programs.
- c. Article 5.1.3 Students will not be charged the nonresident tuition fee in addition to extended education fees.

**Article 5.2**

- a. Article 5.2.a A large portion of the potential students are working adults.
- b. Article 5.2.b The program is not located on permanent, state-supported campus facilities.
- c. Article 5.2.c The program curriculum is delivered online with a field placement component that will be in-person.

**Confirmation that the Existing State-Support Offering is not being Supplanted (Executive Order 1099, Article 6.1)**



## **Article 6.1 Supplanting**

- a. Article 6.1.1** Self-supporting special sessions will not supplant regular course offerings available on a non-self-supporting basis during the regular academic year. The fully-online didactic courses for the self-support program will be promoted to students who, because of work schedule, geographic location, or other reasons cannot attend primarily face-to-face instruction and therefore need hybrid instruction.
- b. Article 6.1.2** State-supported matriculated students will not be required to enroll in self-support courses in order to fulfill the graduation requirements of a state-supported degree program.

The self-support MSW is a cohort-based graduate program. For students admitted to the self-support program, the use of a hybrid modality facilitates program completion in as few as 2 years and at a pace that meets the needs of working adults. All online lecture-based courses in the program use a standardized template and are modularized so that they can be completed successfully in eight weeks. The field internship courses that require a 15-week face to face commitment will be offered on the basis of 15-week terms instead of eight weeks. The majority of the coursework offered will be online, with the critical field placement portion face-to-face, resulting in this hybrid model.

The hybrid MSW program will focus on the Direct Practice focus area. In the Direct Practice focus area, focus is on interpersonal relationships and social functioning with emphasis on appropriate intervention methods used primarily with individuals, families, and groups. Emphasis is placed on a problem-solving framework that utilizes assessment/diagnosis, intervention/treatment and evaluative skills.

In addition to the methods focus of the program of study, the curriculum provides students the opportunity to develop knowledge and skills in a specialized field of service while meeting their advanced human behavior, advanced social policy, advanced field practicum, and elective requirements. Students, with guidance from the graduate adviser and a faculty member serving as a professional mentor, select coursework that address their specific educational and career goals. Based on the current strengths of the school's faculty, students can use their coursework and their field practicum to develop specialized knowledge in the areas of child welfare, family services, mental health, aging, substance abuse, and health. In addition, students may use thesis research to extend their knowledge in one of these areas.

The program would qualify students to apply for the Licensed Clinical Social Worker (LCSW)

certification process by the Board of Behavioral Science Examiners of the State of California. This degree must be completed within seven consecutive calendar years after initial registration.

### **Rationale for Program and New Support Mode**

This program is designed to meet the needs of students who want a hybrid degree option. This group includes working adults whose work hours preclude attendance of primarily face-to-face classes on campus, working adults who would prefer to attend a hybrid program, and other interested students who prefer to study in a hybrid modality.

Initial interest in this program was expressed by social work undergraduate alumni and human/social service professionals in the community who were extremely positive about having a hybrid Social Work graduate degree program to enhance their knowledge and skills, and in turn, improve the quality of service delivery to clients and populations in need. Because an MSW degree is so popular among the target student groups that will be served by this program, even community agencies with entry-level social workers are particularly supportive of this opportunity for their employees, and other working adults to get this degree. This program has been presented to the School of Social Work faculty who expressed strong support for this program.

The purpose of this MSW program would be targeting a different audience; namely those with at least one year of work experience, who are currently working in the field, need an MSW to advance in their careers, and are unable to attend our solely face-to-face programs. The program will be run by the School of Social Work.

### **Detailed Cost-Recovery Budget**

Detailed five-year cost-recovery budget attached. The following are estimated student costs of the self-support program:

- Fees per unit - \$799
- Total cost to complete the program  
– 60 units – \$47,940

### **Anticipated Enrollment and Demand**

Anticipated enrollment from the first admission cycle of the self-support program is up to 30 students with an expected minimum enrollment of 22 students, based on a 14% attrition rate.

There were over 4.2 million people employed nationwide in careers requiring this degree and over 176,000 job listings nationally last year, a strong market for new graduates to find employment in this high demand and high growth career field. Anticipated job growth over the next 10 years for related jobs requiring this degree is 16%, much higher than the baseline average of 7-8%. Salaries average at \$52K which is higher than the national average of \$47K, in

a range of \$34K to \$79K.

2019 research shows high search demand for online master's of social work degrees, showing from 1,000 to 12,100 monthly searches for associated keywords.

Marketing and promotion of the program will be handled by Global Campus and the College of Health and Human Services marketing staff.

### **Campus Commitment to Provide Adequate Faculty Resources**

Faculty who teach state-supported courses in the School of Social Work have been contacted regarding their willingness to participate in the design and delivery of hybrid equivalents to their current face-to-face courses in accord with the Quality Online Learning and Teaching (QOLT) instrument developed by the CSU. The level of faculty interest is very high. They have demonstrated their commitment to teaching working adults in a hybrid format. The academic department is excited about supporting this program by ensuring all instruction is staffed with qualified faculty. Because this is a regular degree program, it will be carefully examined by the Council on Social Work Education (CSWE).

There are no variances in curriculum between the existing approved face-to-face and the proposed hybrid programs. However, some electives which are solely face-to-face will not be available in the hybrid format for this degree (see Appendix A).

### **Anticipated Impact on the Existing State-Supported Program**

There is no anticipated impact on state-support regular course offerings because of the self-support program. The hybrid delivery modality, format, accelerated scheduling and target audience (working adults) differentiates this program from the state-side face-to-face program.

## **Appendix A**

### **Standard 60 Unit Master of Social Work Program in the Direct Practice Social Work Methods Focus Area**

	Approved Face-To-Face Program	Hybrid Program
<b><i>generalist/ foundation bridge courses</i></b> (28 units)	<p>SWORK 601 Seminar in Social Welfare Policy and Services (3)</p> <p>SWORK 619 Human Behavior in the Social Environment (3)</p> <p>SWORK 620A Seminar in Human Behavior and Social Environment (3)</p> <p>SWORK 630 Social Work Practice: A Generalist Perspective (3)</p> <p>SWORK 631 Social Work Practice: Individuals, Families, and Groups (3)</p> <p>SWORK 632 Social Work and Gerontology: Organizations and Communities (3)</p> <p>SWORK 650 Field Practicum (3-8)</p> <p>SWORK 690/GERO 690 Seminar in Research Methods for Social Work and Gerontology (3)</p>	<p>SWORK 601 Seminar in Social Welfare Policy and Services (3)</p> <p>SWORK 619 Human Behavior in the Social Environment (3)</p> <p>SWORK 620A Seminar in Human Behavior and Social Environment (3)</p> <p>SWORK 630 Social Work Practice: A Generalist Perspective (3)</p> <p>SWORK 631 Social Work Practice: Individuals, Families, and Groups (3)</p> <p>SWORK 632 Social Work and Gerontology: Organizations and Communities (3)</p> <p>SWORK 650 Field Practicum (7)</p> <p>SWORK 690 Seminar in Research Methods for Social Work and Gerontology (3)</p>
<b><i>computer applications for social work</i></b> (3 units)	SWORK 610 Computer Application in Practice for Social Work and Gerontology (3)	SWORK 610 Computer Application in Practice for Social Work and Gerontology (3)
<b><i>29 units of advanced study, to include:</i></b>		
<b><i>advanced social policy</i></b> (3 units)	SWORK 702 Seminar in Selected Social Welfare Policy and Services (3)	SWORK 702 Seminar in Selected Social Welfare Policy and Services (3)
<b><i>advanced human behavior</i></b> (0-3 units)	SWORK 720 Seminar in Selected Topics in Human Behavior and Social Environment (3)	SWORK 720 Seminar in Selected Topics in Human Behavior and Social Environment (3)
<b><i>advanced research methods</i></b> (3 units)	SWORK 791 Applied Social Work Practice Research Seminar (3)  or	SWORK 791 Applied Social Work Practice Research Seminar (3)  or

	SWORK 797 Research (3)	SWORK 797 Research (3)
<b><i>social work electives</i></b> (6-9 units)	SWORK 758 Seminar in Social Work and Selected Fields of Practice (3)  SWORK 780 Seminar in Social Work and Selected Populations-at-Risk (3)  SWORK 781 Seminar on Selected Populations-at-Risk (3)  SWORK 798 Special Study (1-3)  SWORK 799A Thesis (3)	Students will select from the following:*  SWORK 758 Seminar in Social Work and Selected Fields of Practice (3)  OR  SWORK 780 Seminar in Social Work and Selected Populations-at-Risk (3)  OR  SWORK 799A Thesis (3)  *Course offerings where there is an “or” option will be determined by the department chair and Global Campus each semester.
<b><i>Direct Practice focus area</i></b> (14 units)	SWORK 739 Advanced Seminar in Social Work Practice with Families (3)  SWORK 744 Advanced Seminar in Selected Topics in Direct Practice Social Work (3)  SWORK 750 Advanced Field Practicum: Direct Practice Social Work (4) (Taken twice)	SWORK 739 Advanced Seminar in Social Work Practice with Families (3)  SWORK 744 Advanced Seminar in Selected Topics in Direct Practice Social Work (3)  SWORK 750 Advanced Field Practicum: Direct Practice Social Work (4) (Taken twice)

In addition to the above courses, students must complete either a Thesis (Plan A) or a comprehensive examination (Plan B). Students completing Plan A may count Social Work 799A as three units of elective.

At least 30 units of the program must be completed in residence at San Diego State University. A maximum of six units is transferable from another accredited graduate program in social work.

Six units of elective credit may be taken from other schools or departments within the university with the consent of the graduate adviser. See student handbook for specific elective policies. To receive the degree, students must earn a 3.0 (B) grade point average in academic courses and demonstrate professional competence for required practicum (Cr for all semesters).

The National Association of Social Workers (NASW) Code of Ethics represents the professional standards of the MSW program. The NASW Code of Ethics is available in the student handbook. All students are expected to know and adhere to its principles of professional conduct. Students who knowingly or unknowingly violate any part of the ethical code may be dismissed from the program without further qualification regardless of coursework, research, or other academic achievement.

**From:** Robert Keith Collins <[rkc@sfsu.edu](mailto:rkc@sfsu.edu)>  
**Subject:** Fw: ASCSU feedback on Governor's budget  
**Date:** January 13, 2021 at 12:29:30 PM PST  
**To:** "ExComFaculty" <[excomfaculty@lists.calstate.edu](mailto:excomfaculty@lists.calstate.edu)>  
**Cc:** "Butler, Tracy" <[tbutler@calstate.edu](mailto:tbutler@calstate.edu)>  
**Reply-To:** Robert Keith Collins <[rkc@sfsu.edu](mailto:rkc@sfsu.edu)>

Dear ASCSU Exec Colleagues,

I hope that all is well and you all are having a nice day. The purpose of this email is to inform you all that Ms. Qing, Senior Fiscal and Policy Analyst, Legislative Analyst Office (LAO) has requested feedback on the following proposals:

- Expecting CSU to increase the share of courses that are online by 10 percentage points
  - What instructional and fiscal impacts should we be keeping in mind?
- Expecting CSU to create a dual admissions policy with CCC
  - How might such a policy work? How would it interact with existing admission policies? What new transfer pathways would need to be developed?
- Faculty professional development (\$10 million one time)
  - What is the level of need for PD, and what is driving this need? What types of PD would be useful?

Please see the email below. Feedback on the above proposals is being requested by January 22, 2021. I have requested that the ASCSU have until 5:00p.m. so that we can provide the feedback after the plenary and have some time for senators to possibly consult campus constituents. If there is no objection, then I will send this request out to the listserv so that senators can begin pondering these questions early. Please let know if you object by **5:00p.m. today**. I apologize for the quick turnaround. I will also ask the ASCSU Standing Committee Chairs to discuss these next week and send forward feedback to Exec through their liaisons. If you all have any questions, then please do not hesitate to contact me. Take care and stay healthy.

Sincerely,

Rob

Robert Keith Collins, PhD  
Chair, Academic Senate California State University (ASCSU)  
Chair, Intersegmental Committee of Academic Senates (ICAS) 2020-2021  
Associate Professor  
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**From:** Qing, Lisa <[Lisa.Qing@lao.ca.gov](mailto:Lisa.Qing@lao.ca.gov)>  
**Sent:** Wednesday, January 13, 2021 11:23 AM  
**To:** Robert Keith Collins <[rkc@sfsu.edu](mailto:rkc@sfsu.edu)>  
**Cc:** Constantouros, Jason <[Jason.Constantouros@lao.ca.gov](mailto:Jason.Constantouros@lao.ca.gov)>  
**Subject:** ASCSU feedback on Governor's budget

Hi Rob,

I hope all is well. We're working on our analysis of the Governor's budget proposals for 2021-22. As part of our analysis, we wanted to invite the Academic Senate of CSU to share any thoughts it has on the proposals. In particular, we thought the following issues would be particularly relevant to ASCSU:

- Expecting CSU to increase the share of courses that are online by 10 percentage points
  - What instructional and fiscal impacts should we be keeping in mind?
- Expecting CSU to create a dual admissions policy with CCC
  - How might such a policy work? How would it interact with existing admission policies? What new transfer pathways would need to be developed?
- Faculty professional development (\$10 million one time)
  - What is the level of need for PD, and what is driving this need? What types of PD would be useful?

Because we're on a tight timeline for our analysis, we're hoping to receive any feedback from the Academic Senate by next **Friday, January 22**. We'd be happy to set up a Zoom meeting or receive your thoughts by email—whichever is easier on your end.

Thank you,  
Lisa

**Lisa Qing**  
Senior Fiscal and Policy Analyst  
Legislative Analyst's Office  
[lisa.qing@lao.ca.gov](mailto:lisa.qing@lao.ca.gov)



Date: January 19, 202

5.7

To: SEC / Senate

From: Steve Barbone, Chair, Undergraduate Curriculum Committee (UCC)

Subject: ACTION: Implementation of Undergraduate Degree at SDSU IV already offered at the SD campus (BA in mathematics)

ACTION: The UCC moves that the Senate implement the BA in mathematics degree at SDSU Imperial Valley campus already offered at the SD campus, effective fall 2021.

The SDSU IV Division of Arts and Sciences, the SDSU IV AP&P Committee, and the SDSU IV Faculty Council, the Dean for SDSU Imperial Valley, and all relevant bodies stipulated by SDSU policy up to the level of the Senate and SDSU president have approved implementing the BA in Mathematics program offered by the Mathematics Department in the College of Sciences at the SD campus. The net effect of adding this program at SDSU Imperial Valley is the addition of three courses (offered over two years) to SDSU IV's current mathematics course offerings that will give SDSU IV students the additional option to get a degree in mathematics; this program will nicely supplement IVC's current mathematics for Single-Subject Teachers program.

Rationale: Implementing the BA in Mathematics Program at SDSU IV will move SDSU IV forward towards meeting the Strategic Plan Objective to add new undergraduate programs at SDSU IV. This proposal has been approved by all concerned up to the level of Senate. The degree is wanted at SDSU IV, that campus has the resources to grant it, and relevant department/college on the main campus supports this move.

Date: 8 December 2020  
To: SEC / Senate  
From: D.J. Hopkins, Chair, Academic Policy and Planning Committee (AP&P)  
Subject: Information: AP&P meeting, Nov. 2020

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6.1

AP&P met on Tuesday 24 November 2020. The committee is working to address the referral from Senate officers that asks the committee to provide the Senate with a report on enrollment, retention, and graduation data now that the ERG Compendium is no longer being produced. This month, the committee piloted a new internal procedure for evaluating ERG data and sharing that evaluation. At this meeting, the Provost presented ERG data that had already been shared with chairs and directors campus-wide. Committee members asked questions which were fielded by the Provost and AVP Joanna Brooks.

Steady upward progress in graduation rates and achievement gaps continues, as it has over the last twelve years (data provided by the Provost began at 2008). Even while SDSU is outperforming other CSU campuses and the national average, the committee observes that incremental improvements are in some cases only small fractions of a percent. Senate Secretary Jose Preciado has pointed out one notable improvement: an increase of nearly 5% in the continuation rates for African American students.

The university continues its commitment to coordinated, individualized advising. AVP Brooks reports a significant pivot this year in advising and other high impact practices, with particular emphasis on providing support for URM and first generation students. Research-driven interventions in support of student success are part of a new advising model. The Provost anticipates introducing this new advising model to AP&P in Spring 2021.

The Provost reports that deans will be evaluated on the effect of their interventions, in terms of advancement toward the goals of Graduation Initiative 2025.

As part of AP&P's new model for engaging with ERG data, the committee agreed to revisit these same data points in Spring 2021 and to evaluate initial evidence of impact of the new advising practices with the Fall 2020 data as a point of reference.

The draft recommendations for more uniform RTP experience across colleges were reviewed for a second time, followed by another round of discussion, feedback, and planning. Four committee members were assigned revisions on two aspects of the memo. An advanced draft will be presented to AP&P in January.

AP&P was joined by AVP Stefan Hyman. Hyman presented two new policy proposals, the first revising the Priority Registration for ROTC students and second offering a suite of Revisions to Exceptions to Admissions. AP&P approved both proposals.

The committee voted on two proposals brought back to the committee by AVP Hyman for second and third hearings respectively: 1. Term credit limits. A university-wide policy (rather than college by college) that allows students to register for up to 21 credits one week before semester begins; would require academic department approval for more than 21. To be adopted for Fall 2021. 2. Title IV

compliance, to be implemented using instructional technology already in use. AP&P approved both proposals en bloc.

AVP Brooks presented revisions to the campus retroactive withdrawal policy; new language was circulated to the committee in advance of the meeting. AP&P approved the policy revision.

The incumbent chair of the committee announced in April 2020 that he would step down at the end of AY 2020-21. Per AP&P practice, the committee held an election for a new chair at the November meeting. The committee unanimously elected Dr. Pam Lach as the new chair of AP&P. Her term as chair will begin in Fall 2021. Lach has been serving as Co-Secretary or Secretary for three semesters. The committee is delighted that Dr. Lach has agreed to serve in this new leadership role.

To: Senate Executive Committee/Senate  
From: Graduate Council  
Date: December 3, 2020  
Re: 2021-2022 *Graduate Bulletin*

6.2

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**INFORMATION (9I-12-20)**

**BUSINESS ADMINISTRATION**

1. New course.

Business Administration

*BUSINESS ANALYTICS (C-3)*

B A 749. Business Analytics (3)

(Same course as Management Information Systems 749)

Prerequisite: Business Administration 642.

Business analytics techniques for predictive modeling and customer segmentation. Applications include churn management, business experiments, cluster segmentation, and market basket analysis.

**CHEMISTRY**

1. New course.

Chemistry

*SCIENTIFIC TEACH & LEARN (C-2)*

CHEM 781. Scientific Approaches to Teaching and Learning (3)

Research and best practices in undergraduate teaching and learning science. Development of a teaching philosophy, discipline-based education research literature, reflective teaching practices, student assessment techniques.

**CHILD AND FAMILY DEVELOPMENT**

1. New course.

Child and Family Development

*SEM PROF DEV & PROFSSNLISM (C-5)*

CFD 650. Seminar in Professional Development and Professionalism (3)

Prerequisite: Admission to the child development degree program.

Growth and leadership in child and family development to include advocacy, career trajectories, professional identity, service, and strengths.

2. Change to description and units.

Child and Family Development

CFD 697A. Advanced Field Experiences A (1-3) Cr/NC

Prerequisites: Admission to the Early Childhood Transdisciplinary Education and Mental Health (EC-TEaMH) certificate program. Concurrent placement in an approved early care and education site.

Human developmental theories and techniques in various community settings. Individual and group supervision. Maximum credit six units. (Formerly numbered Child and Family Development 697.)

Change(s): Prerequisite changed from *Child and Family Development 670A, 670B, 671A, or 671B* to what is presented above. Units are changing from three to variable 1-3.

3. Change in program.

Child and Family Development

**Specific Requirements for the Master of Science Degree in Child Development  
(Major Code: 08231) (SIMS Code: 330909)**

In addition to meeting the requirements for classified graduate standing and the basic requirements for the master's degree as described in Part Four of this bulletin, students must complete a graduate program of 30 units, to include at least 18 units of 600- and 700-numbered courses.

1. Core courses: Child and Family Development 624, 650, 670A, 670B, Education 690 (15 units).
2. Electives (9 units): Remaining units will consist of 500-, 600-, and 700-level child and family development courses. (Graduate students may also use 500-, 600-, and 700-level courses from related disciplines with approval of the graduate adviser and course instructor.)
3. All students (both Plan A and Plan B) will need nine units of electives.
4. Culminating experience: Plan A (thesis) students will take Child and Family Development 790 and 799A (6 units) and successful completion of a thesis or project. Plan B (comprehensive exam) students will consult with their adviser to take an additional six units of graduate electives from the above-mentioned list and must successfully pass the comprehensive examination.

**NOTE:** Students who completed the certificate program in Early Childhood Transdisciplinary Education and Mental Health (EC-TEaMH) will have earned units that can be counted as the required electives towards the Master of Science degree in child development. Students pursuing the concentration in early childhood mental health will select Plan B and take a culminating comprehensive examination based on the courses outlined in the section describing this concentration (rather than the courses outlined above).

Change(s): Core unit changed from 12 out of 30 core units to 15 out of 30. Replaced *CFD 660A Seminar in Early Childhood Mental Health Career Development* with *CFD 650 Seminar in Professional Development and Professionalism in the Child and Family*

*Development Field. CFD 670A Seminar in Human Development Theories-Attachment and Affect Regulation in Young Children now required.*

## CITY PLANNING

1. Change in program.

City Planning

### **Specific Requirements for the Master of City Planning Degree (Major Code: 02061) (SIMS Code: 666917)**

In addition to meeting the requirements for classified graduate standing for the purpose of pursuing the Master of City Planning degree, the student must complete an approved program of study consisting of at least 42 units of approved 500-, 600-, and 700-numbered courses, with no more than nine units of 500-level courses, to include:

1. Complete the following core courses:
  - C P 630 Seminar in Urban Planning Foundations...3
  - C P 640 Seminar in Planning Theory and History...3
  - C P 660 City Planning and Geographic Information Systems...3
  - C P 675 Seminar in Land Use and Environmental Law...3
  - C P 690 Seminar in Land Use Planning Principles and Techniques...3
  - C P 695 Introductory Urban Design Studio...3
  - C P 700 Advanced Urban Design Studio...3
  - P A 604 Methods of Analysis in Public and Urban Affairs...3
  - P A 606 Seminar in Quantitative Approaches to Public Administration...3
2. Nine units of 600- and 700-numbered planning elective courses, internships, readings, and research.
3. A culminating experience to include either a thesis (Plan A) or a capstone (Plan B). Students pursuing Plan A must enroll in City Planning 797 and 799A.
4. Students pursuing Plan B are required to enroll in Public Administration 605 and 795.  
Remainder of description (*no change*)

Change(s): *CP 630 Seminar in Urban Planning Implementation* changed to what is represented above; *CP 640 Seminar in Urban Planning Theory* changed to what is represented above; *CP 675 Seminar in Environmental policy and Planning* changed to what is represented above; *CP 695 Computer Applications for Urban Design* changed to what is represented above. 48 units of approved 500-, 600-, and 700-numbered courses changed to 42 units.

## COMPUTER ENGINEERING

1. New course.

Computer Engineering

*ADVANCED TOPICS COMP ENGR (C-3)*

COMPE 696. Advanced Topics in Computer Engineering (3)

Intensive study in specific areas of electrical engineering. May be repeated with new content. See *Class Schedule* for specific content. Credit for 596 and 696 applicable to a master's degree with approval of the graduate adviser.

## COMPUTER SCIENCE

1. Change to prerequisite.

Computer Science

CS 615. Spatial Databases (3)

Prerequisite: Computer Science 514. Recommended: Computer Science 460.

Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 514. Recommended: Computer Science 560* to what is represented above.

2. Change to prerequisites.

Computer Science

CS 620. Formal Languages and Syntactic Analysis I (3)

Prerequisites: Computer Science 460 and 520.

Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 310, 320 or 520, and 562* to what is represented above.

3. Change to prerequisite.

Computer Science

CS 646. Mobile Application Development (3)

Prerequisite: Computer Science 460.

Description (*no change*)

Change(s): Prerequisite changed from *Computer Science 560* to what is represented above.

4. Change to prerequisite.

Computer Science

CS 653. Data Mining and Knowledge (3)

Prerequisite: Computer Science 450.

Description (*no change*)

Change(s): Prerequisite changed from *Computer Science 320* to what is represented above.

5. Change to description and prerequisites.

Computer Science

CS 656. Advanced Robotics (3)

Prerequisites: Computer Science 450 and 556.

Robot kinematics to include Jacobians and velocity. Robot dynamics and joint-space/task-space tracking and control. Genetic algorithms and clustering for inverse kinematics. Trajectory tracking and path planning with mobile robots and articulated rovers.

Change(s): Description changed from *Computer-based techniques for low-, medium-, and high-level robot control including sequential and parallel schemes for robot dynamics, robot programming and robot task planning* to what is represented above. Prerequisite changed from *Computer Science 556* to what is represented above.

6. Change to description, prerequisites, and title.

Computer Science

*INTELLIGENT SYSTEMS (C4)*

CS 657. Intelligent Systems (3)

Prerequisites: Computer Science 450 and 460.

Genetic and evolutionary algorithms and applications, fuzzy logic and approximate reasoning, rule-based inference engines, intelligent path planning and applications to robotics, dynamic systems and their simulations using Simulink, conventional control and intelligent control, intelligent agents.

Change(s): Description changed from *Genetic and evolutionary algorithms, genetic programming and applications, fuzzy logic and approximate reasoning, rule-based inference engines, intelligent path planning and applications to robotics, dynamic systems and their simulations using Simulink, conventional control and intelligent control, intelligent agents, autonomous and multi-agent systems* to what is represented above. Prerequisites changed from *Computer Science 530 or 560* to what is represented above. Title changed from *Intelligent Systems and Control* to what is represented above.

7. New course.

Computer Science

*VISUAL PERCEPTION & LEARN (C-1)*

CS 659. Visual Perception and Learning

Prerequisites: Computer Science 210 and Mathematics 254.

Computer algorithms and methods for computer vision. Edge detection, histogram of gradients, image filtering, machine learning, robust matching and model fitting, scale-invariant feature transform, stereo vision and 3D scene reconstruction. Object detection, recognition, and visual tracking.

8. Change to description, prerequisites, and title.

Computer Science



*ALGORITHM ANALYSIS DESIGN*

CS 660. Algorithm Analysis and Design (3)

Prerequisite: Computer Science 460.

Algorithm design techniques. Approximation algorithms and reductions among NP-complete problems. Greedy and divide and conquer algorithms. Linear and dynamic programming. Graph algorithms and network flow. NP and computational interactability.

Change(s): Description changed from *Algorithm design techniques. Network flow and matching. Complexity analysis. NP-completeness, reductions among NP-complete problems. Approximation algorithms for NP-complete problems such as the traveling salesman problem* to what is represented above. Prerequisite changed from *Computer Science 560* to what is represented above. Title changed from *Combinatorial Algorithms and Data Structures* to what is represented above.

9. Change to prerequisites.

Computer Science

CS 662. Theory of Parallel Algorithms (3)

Prerequisites: Computer Science 460 and Mathematics 254.

Description (*no change*)

Change(s): Prerequisite changed from *Computer Science 560 and Mathematics 254* to what is represented above.

10. Change to needs met by course and prerequisite.

Computer Science

CS 666. Advanced Distributed Systems (3)

Prerequisite: Computer Science 480.

Description (*no change*)

Change(s): Satisfies Degree/Major. Prerequisite changed from *Computer Science 570* to what is represented above.

11. Change to needs met by course and prerequisites.

Computer Science

CS 682. Speech Processing (3)

Prerequisites: Graduate standing, Computer Science 210, Mathematics 254, Statistics 551A.

Description (*no change*)

Change(s): Satisfies Degree/Major requirements. Prerequisites changed from *Graduate standing, Computer Science 310, Mathematics 254, Statistics 551A* to what is represented above.

## ECONOMICS

1. New course.

Economics

*STATISTICAL TOOLS ECON (C-2)*

ECON 650. Statistical Tools for Economics (3)

Prerequisite: Economics 441.

Stata and R data analysis and programming to construct datasets, conduct econometric analysis, perform simulations/machine learning, and visualize data. (Formerly numbered Economics 640L and Economics 641L.)

2. Change in program.

Economics

**Specific Requirements for the Master of Arts Degree**

**(Major Code: 22041) (SIMS Code: 111901)**

In addition to meeting the requirements for classified graduate standing and the basic requirements for the master's degree described in Requirements for Master's Degrees, the student must complete an approved graduate program of 33 units. Students selecting Plan A must include Economics 799A in the program of study and complete a master's thesis. Students selecting Plan A will complete 24 units of required coursework to include Economics 630, 631, 640, 641, 650, 740, 795, 799A, and nine units of approved electives. Students selecting Plan B must complete a written comprehensive examination covering the core fields of microeconomics and econometrics. Students selecting Plan B will complete 21 units of required coursework to include Economics 630, 631, 640, 641, 650, 740, and 795 and 12 units of approved electives.

Under both plans, no program may contain more than nine units of approved courses outside economics. In addition, no program may contain more than six units of 500-level courses.

Change(s): Removing *Economics 640L Econometrics Laboratory I* and *Economics 641L Econometrics Laboratory II* and adding *Economics 650 Statistical Tools for Economics*. An approved graduate program changed from 32 units to 33 units.

## ELECTRICAL ENGINEERING

1. New course.

Electrical Engineering

*ENGINEERING OPTIMIZATION (C-4)*

E E 603. Engineering Optimization (3)

Prerequisite: Graduate standing.

Unconstrained and constrained optimization problems. Convex sets, functions, analysis, and optimization problems. Least-squares, linear, and quadratic programs. Optimality conditions, duality theory.

2. New course.

Electrical Engineering

*VLSI TESTING (C-4)*

E E 671. VLSI Testing (3)

Prerequisite: Computer Engineering 470.

Theory and techniques for testing VLSI circuits and systems. Analog/mixed-signal testing, Automatic Test Pattern Generation (ATPG), boundary scan and core-based testing, Built-in Self-Test (BIST), defect and fault diagnosis, Design For Testability (DFT), logic/fault simulation, memory test, machine learning applications in VLSI testing, scan design/architecture.

## EXERCISE AND NUTRITIONAL SCIENCES

1. New course.

Exercise and Nutritional Sciences

*EBP ATHLETIC TRAINING I (C-2)*

ENS 604. Evidence Based Practice in Athletic Training I (1)

Prerequisite: Admission to the master's degree program in athletic training.

Clinically appraise best evidence to answer selected clinical questions; strategies for implementing evidence in daily practice. Holistic process for evaluating injuries and conditions common to physically active populations.

2. New course.

Exercise and Nutritional Science

*EBP ATHLETIC TRAINING II (C-2)*

ENS 605. Evidence Based Practice in Athletic Training II (1)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 604.

Critically appraise best evidence to answer selected clinical questions, and discuss strategies for implementing evidence into daily athletic training practice. Lower extremity injuries and conditions, therapeutic interventions, and general medical conditions.

3. New course.

Exercise and Nutritional Sciences

*EBP ATHLETIC TRAINING III (C-2)*

ENS 606. Evidence Based Practice in Athletic Training III (1)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 605.

Critically appraise best evidence to answer selected clinical questions, and discuss strategies for implementing evidence into daily athletic training practice. Upper extremity

injuries and conditions, therapeutic interventions, pharmaceutical considerations, and psycho-social perspectives for the physically active.

4. New course.

Exercise and Nutritional Sciences

*EBP ATHLETIC TRAINING IV (C-2)*

ENS 607. Evidence Based Practice in Athletic Training IV (1)

Prerequisites: Admission to the master's degree program in athletic training.  
Exercise and Nutritional Sciences 606.

Critically appraise best evidence to answer selected clinical questions, and discuss strategies for implementing evidence into daily athletic training practice. Head, neck, and spine injuries and conditions, therapeutic interventions, and sports nutrition. Original collection (or treatment) of data leading to a research paper of scientific quality.

5. New course.

Exercise and Nutritional Sciences

*EMERG MGMT SPORT TRAUMA (C-4)*

ENS 625. Emergency Management of Sports Trauma (2)

Prerequisite: Admission to the master's degree program in athletic training.  
Recognition, management, and administration of appropriate emergency medical care to injured or ill athletes.

6. New course.

Exercise and Nutritional Science

*CLINICAL ANATOMY (C-4)*

ENS 626 Clinical Anatomy (2)

Prerequisites: Biology 212 and 261.  
Structure and function of human musculoskeletal system. Palpation, primary muscle actions, muscle origins and insertions.

7. New course.

Exercise and Nutritional Sciences

*INTERVENTIONS AT LAB (C-15)*

ENS 627L. Prophylactic Interventions in Athletic Training Laboratory (1)

Prerequisite: Admission to the master's degree program in athletic training.  
Injury prevention through bracing, padding, taping, and wrapping techniques; managing and transporting injuries via ambulatory aids, spine boarding, splinting, and wrapping.

8. New course.

Exercise and Nutritional Sciences

*BIO PSYCH IN AT (C-2)*

ENS 638. Bio-Psychosocial Theories and Strategies in Athletic Training (2)

Prerequisite: Admission to the master's degree program in athletic training.

Theory and research related to psychosocial aspects of injury and injury rehabilitation.

9. New course.

Exercise and Nutritional Sciences

*ETHICS & LEADERSHIP IN AT (C-2)*

ENS 648. Professional Ethics, Management, Informatics, and Leadership in Athletic Training (2)

Prerequisite: Admission to the master's degree program in athletic training.

Administrative aspects of athletic training. Contemporary guidelines of medical screening and documentation. Leadership theories and practices.

10. New course.

Exercise and Nutritional Sciences

*PROFESSIONAL PREP IN AT (C-2)*

ENS 649. Professional Preparation in Athletic Training (1)

Prerequisite: Admission to the master's degree program in athletic training.

Directed study for the board of certification for the athletic trainer examination through faculty-led review sessions.

11. New course.

Exercise and Nutritional Sciences

*MS DIAG LOWER EXT (C-2)*

ENS 653 Musculoskeletal Diagnostics for the Lower Extremity (2)

Prerequisites: Admission to the master's degree program in athletic training.

Exercise and Nutritional Sciences 626. Credit or concurrent registration in Exercise and Nutritional Sciences 653L, 663, 663L.

Assessment principles and techniques for accurate diagnosis of injuries or conditions in physically active populations. Evidence-based approach to recognize, explain, and assess emergency medical situations, and conditions of lower extremity regions.

12. New course.

Exercise and Nutritional Sciences

*MS DIAG LOWER EXT LAB (C-15)*

ENS 653L. Musculoskeletal Diagnostics for the Lower Extremity Laboratory (1)

Prerequisites: Admission to the master's degree program in athletic training.

Exercise and Nutritional Sciences 626. Credit or concurrent registration in Exercise and Nutritional Sciences 653, 663, 663L.

Practical experience with assessment principles and techniques for accurate diagnosis of injuries or conditions in physically active populations. Evidence-based approach to recognize, explain, and assess emergency medical situations, and conditions of lower extremity regions.

13. New course.

Exercise and Nutritional Sciences

*MS DIAG UPPER EXT (C-2)*

ENS 654. Musculoskeletal Diagnostics for the Upper Extremity (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 653, 653L. Credit or concurrent registration in Exercise and Nutritional Sciences 654L, 644, 664L.

Assessment principles and techniques for accurate diagnosis of injuries or conditions in physically active populations. Evidence-based approach to recognize, explain, and assess emergency medical situations, and conditions of upper extremity regions.

14. New course.

Exercise and Nutritional Sciences

*MS DIAG UPPER EXT LAB (C-15)*

ENS 654L. Musculoskeletal Diagnostics for the Upper Extremity Laboratory (1)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 653, 653L. Credit or concurrent registration in Exercise and Nutritional Sciences 644, 654, 664L.

Practical experience with assessment principles and techniques for accurate diagnosis of injuries or conditions in physically active populations. Evidence-based approach to recognize, explain, and assess emergency medical situations, and conditions of upper extremity regions.

15. New course.

Exercise and Nutritional Sciences

*MS DIAG HEAD & SPINE (C-2)*

ENS 655. Musculoskeletal Diagnostics for the Head and Spine (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 654, 654L. Credit or concurrent registration in Exercise and Nutritional Sciences 655L, 665, 665L.

Assessment principles and techniques for accurate diagnosis of injuries or conditions in physically active populations. Evidence-based approach to recognize, explain, and assess emergency medical situations, and conditions of the head and spine regions.

16. New course.

Exercise and Nutritional Sciences

*MS DIAG HEAD & SPINE LAB (C-15)*

ENS 655L. Musculoskeletal Diagnostics for the Head and Spine Laboratory (1)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 654, 654L. Credit or concurrent registration in Exercise and Nutritional Sciences 655, 665, 665L.

Practical experience with assessment principles and techniques for accurate diagnosis of injuries or conditions in physically active populations. Evidence-based approach to recognize, explain, and assess emergency medical situations, and conditions of the head and spine regions.

17. New course.

Exercise and Nutritional Sciences

*MS INTERVEN LOWER EXT (C-4)*

ENS 663. Musculoskeletal Interventions for the Lower Extremity (3)

Prerequisites: Admission to the master's degree program in athletic training. Credit or concurrent registration in Exercise and Nutritional Sciences 653, 653L, 663L.

Physiological concepts and principles of comprehensive treatment and rehabilitation programs for managing athletic injuries and emergency medical situations of lower extremity regions.

18. New course.

Exercise and Nutritional Sciences

*MS INTERVEN LOWER LAB (C-15)*

ENS 663L. Musculoskeletal Interventions for the Lower Extremity Laboratory (1)

Prerequisites: Admission to the master's degree program in athletic training. Credit or concurrent registration in Exercise and Nutritional Sciences 653, 653L, 663.

Practical experience with developing comprehensive treatment and rehabilitation programs for managing athletic injuries and emergency medical situations of lower extremity regions.

19. New course.

Exercise and Nutritional Sciences

*MS INTERVEN UPPER EXT (C-4)*

ENS 664. Musculoskeletal Interventions for the Upper Extremity (3)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 663, 663L. Credit or concurrent registration in Exercise and Nutritional Sciences 654, 654L, 664L.

Physiological concepts and principles of comprehensive treatment and rehabilitation programs for managing athletic injuries and emergency medical situations of upper extremity regions.

20. New course.

Exercise and Nutritional Sciences  
*MS INTERVEN UPPER EXT LAB (C-15)*

ENS 664L. Musculoskeletal Interventions for the Upper Extremity Laboratory (1)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 663, 663L. Credit or concurrent registration in Exercise and Nutritional Sciences 654, 654L, 664.

Practical experience with developing comprehensive treatment and rehabilitation programs for managing athletic injuries and emergency medical situations of upper extremity regions.

21. New course.

Exercise and Nutritional Sciences  
*MS INTERVEN HEAD & SPINE (C-4)*

ENS 665. Musculoskeletal Interventions for the Head and Spine (3)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 664, 664L. Credit or concurrent registration in Exercise and Nutritional Sciences 655, 655L, 665L.

Physiological concepts and principles of comprehensive treatment and rehabilitation programs for managing athletic injuries and emergency medical situations of head and spine regions.

22. New course.

Exercise and Nutritional Sciences  
*MS INT HEAD & SPINE LAB (C-15)*

ENS 665L. Musculoskeletal Interventions for the Head and Spine Laboratory (1)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 664, 664L. Credit or concurrent registration in Exercise and Nutritional Sciences 655, 655L, 665.

Practical experience with developing comprehensive treatment and rehabilitation programs for managing athletic injuries and emergency medical situations of head and spine regions.

23. New course.

Exercise and Nutritional Sciences  
*CORRECTIVE EX SPECIALIST (C-2)*

ENS 670. Corrective Exercise Specialist (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 665, 665L. Credit or concurrent registration in Exercise and Nutritional Sciences 670L.

Theory of dysfunctions and imbalances that increase risk of injury. Basis of integrated corrective exercise training programs that improve and/or correct movement impairments.



24. New course.

Exercise and Nutritional Sciences

*CORREC EX SPECIALIST LAB (C-15)*

ENS 670L. Corrective Exercise Specialist Laboratory (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 665, 665L. Credit or concurrent registration in Exercise and Nutritional Sciences 670.

Laboratory to identify dysfunctions and imbalances that increase risk of injury; create integrated corrective exercise training programs to improve and/or correct movement impairments.

25. New course.

Exercise and Nutritional Sciences

*AT INTERNSHIP I (C-11)*

ENS 689A. Athletic Training Clinical Internship I (5)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 604, 625, 626, 627L.

Full immersion clinical internship in athletic training.

26. New course.

Exercise and Nutritional Sciences

*AT INTERNSHIP II (C-11)*

ENS 689B. Athletic Training Clinical Internship II (5)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 689A.

Full immersion clinical internship in athletic training.

27. New course.

Exercise and Nutritional Sciences

*AT CLERKSHIP I (C-11)*

ENS 699A. Athletic Training Clinical Clerkship I (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 689A.

Cognitive, psychomotor, and affective skills of athletic training practice in a clinical setting. Competencies in emergency management, lower extremity, and lumbopelvic regions.

28. New course.

Exercise and Nutritional Sciences

*AT CLERKSHIP II (C-11)*

ENS 699B. Athletic Training Clinical Clerkship II (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 699A.

Cognitive, psychomotor, and affective skills of athletic training practice in a clinical setting. Competencies in general medical conditions, upper extremity regions, and brachial plexus conditions.

29. New course.

Exercise and Nutritional Sciences

*AT CLERKSHIP III (C-11)*

ENS 699C. Athletic Training Clinical Clerkship III (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 699B.

Cognitive, psychomotor, and affective skills of athletic training practice in a clinical setting. Competencies in bio-psychosocial strategies; and head, neck, and spine regions.

30. New course.

Exercise and Nutritional Sciences

*AT CLERKSHIP IV (C-11)*

ENS 699D. Athletic Training Clinical Clerkship IV (2)

Prerequisites: Admission to the master's degree program in athletic training. Exercise and Nutritional Sciences 699C.

Cognitive, psychomotor, and affective skills of athletic training practice in a clinical setting. Competencies in nutrition, administration, informatics, and leadership.

## LINGUISTICS

1. Change to description, staffing formula, and title.

Linguistics

*SEM SOCIOLINGUISTIC RSRCH (C-5)*

LING 651. Seminar in Sociolinguistic Research in the Speech Community (3)

Prerequisite: Linguistics 551.

Methods to include the collection of sociolinguistic data through interviews. Analysis of those data to address questions pertaining to language variation and change.

Change(s): Description changed from *Public and private reasons for planned language behavior. Creoles, personal speech interaction patterns, bilingualism, cultural diversity in language use, social-theoretical background, language planning, and social uses of sexism in language* to what is represented above. Staffing formulas changed from C-4 to what is represented above. Title changed from *Sociology of Language* to what is represented above.

## MANAGEMENT INFORMATION SYSTEMS

1. Change to course statement field.

Management Information Systems

*BUSINESS ANALYTICS (C-3)*

MIS 749. Business Analytics (3)

(Same course as Business Administration 749)

Prerequisite: Business Administration 642.

Business analytics techniques for predictive modeling and customer segmentation. Applications include churn management, business experiments, cluster segmentation, and market basket analysis.

Change(s): *Same course as Business Administration 749* added to course statement field.

2. Change to needs met by course and title.

Management Information Systems

*GLOBAL SUPPLY CHAIN ANALY*

MIS 753. Global Supply Chain Analytics (3)

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major. Title changed from *Global Supply Chain Management* to what is represented above.

3. Change in program.

Management Information Systems

**Specific Requirements for the Master of Science Degree**

**(Major Code: 07021) (SIMS Code: 222335)**

Paragraph 1 (*no change*)

**Required core courses:**

**IS Technology**

Nine units selected from the following courses:

(*no change*)

**IS Management and Analytics**

Nine units selected from the following courses:

MIS 688 Information Systems and Strategies in Organizations...3

MIS 748 Seminar in Applied Multivariate Analytics...3

MIS/

B A 749 Business Analytics...3

MIS 750 Strategic Project Management...3

MIS 755 Information Systems Security Management...3

**Career Track**

Students select a career track and courses with the approval of the graduate adviser. Nine units selected from courses listed under IS Technology or IS Management and Analytics above that were not taken as part of those required units and the following courses:

MIS 515	Object-Oriented Programming for Business Applications...3
MIS 691	Decision Support Systems...3
MIS 705	Communication Strategies...3
MIS 744	Seminar in Lean Six Sigma...3
MIS 753	Global Supply Chain Management...3
MIS 754	Seminar in Operations Strategy...3
MIS 585	Fundamentals of Cybersecurity Management...3
MIS 620	Electronic Business and Big Data Infrastructures...3
CS 514	Database Theory and Implementation...3
GEOG 582	GIS Programming with Python...3
GEOG 594	Big Data Science and Analytics Platforms...3
LING 572	Python Scripting for Social Science...3
LING 583	Statistical Methods in Text Analysis...3
P H 627	Advanced Statistical Methods in Public Health...3

### **Culminating Experience**

Three units selected from the following courses:

MIS 790	Directed Readings in Management Information Systems...3
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**OR**

B A 799A	Thesis...3 Cr/NC/RP
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Remainder of description (*no change*)

Change(s): The courses in Admission to the Degree are being changed to reflect the revised MBA courses: B A 640 Financial Reporting and Analysis (2) B A 644 Operations Management (2) B A 645 Marketing (2) The following courses are being added to the Career track requirements of the program: MIS 585 Fundamentals of Cybersecurity Management (3) MIS 620 Electronic Business and Big Data Infrastructures (3) CS 514 Database Theory and Implementation (3) GEOG 582 GIS Programming with Python (3) GEOG 594 Big Data Science and Analytics Platforms (3) LING 572 Python Scripting for Social Science (3) LING 583 Statistical Methods in Text Analysis (3) PH 627 Advanced Statistical Methods in Public Health (3).

### PHYSICS

1. Change in program.

Physics

**Specific Requirements for the Master of Science Degree in Medical Physics  
(Major Code: 12251) (SIMS Code: 777769)**

Paragraph 1 (*no change*)

1. The student must complete a 30-unit graduate program to include Physics 560, 565, 567, 670A, 670B, 672A, 672B. Nine additional units of electives must be selected as described below.
2. The thesis option (Plan A) requires the approval of the graduate adviser. Students opting for Plan A must complete Physics 797, 799A, and three units of electives approved by the graduate adviser. Plan A students must also pass a final oral examination on their thesis.
3. Students opting for Plan B1 (non-thesis option) are required to complete nine units of electives approved by the graduate adviser (maximum six units at the 500-level). Plan B1 students must also pass a comprehensive written examination.
4. Students opting for Plan B2 (non-thesis option) must complete Physics 797, 798 (3 units) and three units of electives approved by the graduate adviser. Physics 798 will culminate in a publication-ready report and a presentation to a committee.

**NOTE:** Students in the program are also required to take Biology 335 or equivalent as part of the requirements for CAMPEP accreditation of the Master of Science Degree in medical physics. Biology 335 is recommended for the second semester of the first year, as a prerequisite for the core course, Physics 672A.

Change(s): Two courses have been added to the core courses of the existing program, an additional prerequisite (BIOL 335) has been added to PHYS672A : PHYS-672A Radiation Therapy Physics Lab PHYS-672B Diagnostic Imaging Physics Lab. A Plan B2 option has been added to the non-thesis option. The non-thesis option is described as follows: Students opting for Plan B2 (non-thesis option) must complete Physics 797, 798 (3 units) and three units of electives approved by the graduate adviser. Physics 798 will culminate in a publication-ready report and a presentation to a committee.

## PSYCHOLOGY

1. New course.

Psychology

*SEM COGNITION AFFECT INT (C-5)*

PSY 887. Seminar in Cognition, Affect, and Cognitive-Affective Interactions (3)

Prerequisite: Admission to doctoral program in clinical psychology.

Research and theory pertaining to interactions among affective and cognitive processes.

## PUBLIC HEALTH

1. Change to needs met by course, course hours description, prerequisites, staffing formula, and units.

Public Health

*AIR QUALITY (C-4 two units) (C-16 one unit)*

P H 632. Air Quality (3)

Two lectures and three hours of laboratory.

Prerequisite: Graduate standing.  
Remainder of description (*no change*)

Change(s): Satisfies Concentration/Emphasis/Specialization. *Two lectures and three hours of laboratory* added to course hours description field. Prerequisite changed from *N/A* to what is represented above. Staffing formula and units changed from *3 units of C-4* to what is represented above.

2. Change in program

Public Health

**Concentration in Environmental Health**

**(SIMS Code: 557315)**

**(Registered Environmental Health Specialist Option V Accredited)**

**Courses required for the concentration:**

P H 538A	Principles of Toxicology...3
P H 601	Epidemiology...3
P H 602	Biostatistics ...3
P H 603	Behavioral and Social Science in Public Health ...3
P H 604	Environmental Determinants of Human Health ...3
P H 605	Health Services Administration...3
P H 632	Air Quality...3
P H 634	Environmental Protection ...3
P H 636	Hazardous Waste Management...3
P H 639	Water Quality Investigation...3
P H 650R	Field Practice: Required Community Practice...3 (Cr/NC)
P H 750D	Advanced Field Practice: Environmental Health...3 (Cr/NC)
P H 797	Research...3 (Cr/NC/RP)

Remainder of description (*no change*)

Change(s): *Public Health 638A* is changing to *538A* for future inclusion of advanced standing undergraduate students. Only the course number is changing.

3. Change in program.

Public Health

**Concentration in Epidemiology**

**(SIMS Code: 557329)**

**Courses required for the concentration:**

*(no change)*

**Prescribed electives: A minimum of six units selected from the following public health courses in epidemiology:**

P H 625	Control of Infectious Diseases...3
P H 626	International Health Epidemiology Practicum...3
P H 628	Applications of Multivariate Statistics in Public Health...3
P H 649	Border and Global Public Health Surveillance...3

P H 700A	Seminar in Public Health: Epidemiology...3
P H 724	Advanced Methods in Epidemiology...3
P H 726	HIV/AIDS Epidemiology and Public Health...3
P H 823	Case-Control Studies...3
P H 824	Cohort Studies...3

**Electives: Up to six units selected with approval of concentration faculty. These electives may include any public health course or selections from the following:**

Biology 585  
 Geography 584, 590  
 Nutrition 600, 607, 700  
 Statistics 550, 551A, 560, 610, 672, 677

**Culminating Experience:**

P H 797 Research...1-3 (Cr/NC/RP)  
 P H 799A Thesis...1-6 (Cr/NC/RP)

**OR**

P H 798 Special Study...1-6 (Cr/NC/RP)  
 P H 725 Scientific Writing for Epidemiology...3 (Cr/NC)  
 P H 728 Applied Data Analysis...3

**OR**

P H 720A Capstone I...3  
 P H 720B Capstone II...3  
 P H 798 Special Study...1-6 (Cr/NC/RP)

Change(s): Eliminates *P H 725 Scientific Writing for Epidemiology* and *P H 728 Applied Data Analysis* in prescribed electives. Adds the following electives: Geography 584, 590. Culminating Experience: To include P H 797 Research AND Plan A Thesis OR Plan B Manuscript OR Plan B Capstone, P H 797 Research, P H 799A Thesis, OR P H 798 Plan B Defense, P H 725 Scientific Writing for Epidemiology (3) Cr/NC, P H 728 Applied Data Analysis (3), OR P H 720A Capstone I, P H 720B Capstone II, P H 798 Plan B Defense.

4. Change in program.

Public Health

**Concentration in Health Management and Policy**

**(SIMS Code: 557415)**

**Graduate Program in Health Management and Policy (CAHME Accredited)**

**Courses required for the concentration:**

*(no change)*

**Prescribed electives: Three units selected with approval of adviser. In special circumstances, the graduate adviser may approve one course not on the list of prescribed electives. The substitution must be approved prior to enrollment in the course.**

P H 743 Hospital and Ambulatory Health Systems Management...3

Change(s): Eliminates *P H 700E Seminar in Public Health: Health Management and Policy* from prescribed electives.

5. Change in program.

Public Health

**Concentration in Health Promotion and Behavioral Science**

**(SIMS Code: 557344)**

**(SIMS Code: 557345 - SDSU Global Campus)**

**Courses required for the concentration:**

*(no change)*

**Prescribed electives: A minimum of six units selected from the following public health courses:**

P H 664	Health, Society and Human Behavior...3
P H 667	Prevention and Control of Chronic Diseases...3
P H 668	Seminar in Health Promotion Research...3
P H 672	Public Health Program Evaluation...3
P H 700F	Seminar in Public Health: Health Promotion...3
P H 797	Research...3 (Cr/NC/RP)

**Electives: Up to 12 units selected with approval of adviser from any graduate level public health course.**

Change(s): Add *PH 672 Program Evaluation* as Core course. Remove *PH 762 Behavioral Medicine* from Prescribed Elective. Add new content under "Electives": Up to 12 units selected with approval of concentration faculty adviser. These electives may include any public health or relevant course.

6. Change in program

Public Health

**Concentration in Environmental Health Sciences**

**(Major Code: 12141) (SIMS Code: 557394)**

**Courses required for the concentration: 15 units (Not including six units of P H 797 and three units of P H 799A):**

P H 538A	Principles of Toxicology...3
P H 601	Epidemiology...3
P H 602	Biostatistics ...3
P H 604	Environmental Determinants of Human Health...3
P H 639	Water Quality Investigation...3

**Prescribed electives: A minimum of nine additional units selected with the approval of the adviser from:**

*(no change)*

Change(s): *Public Health 638A* is changing to *538A* for future inclusion of advanced standing undergraduate students. Only the course number is changing.

REGULATORY AFFAIRS



1. Change to prerequisites.

Regulatory Affairs

R A 783. Effective Communication for Regulatory Science (3)

Prerequisites: Regulatory Affairs 602 and 605.

Remainder of description (*no change*)

Change(s): Prerequisite changed from *Regulatory Affairs 602* to what is represented above.

## SPEECH, LANGUAGE, AND HEARING SCIENCES

1. Changes to description, needs met by course, suffix, and title.

Speech, Learning, and Hearing Sciences

*DIAG PRACT SLP*

SLHS 618. Diagnostic Practica in Speech-Language Pathology (1)

Supervised diagnostic practica with children and adults with a variety of speech-language disorders. Four hours of supervision per week. Maximum credit six units. Not open to students with credit in Speech, Learning, and Hearing Sciences 618A or 618B.

Change(s): Description changed from *Supervised clinical practice in diagnostic methods with pediatric clients. Maximum credit six units* to what is represented above. Satisfies Concentration/Emphasis/Specialization. Suffix *A* removed from 618. Title changed from *Diagnostic Practicum in Speech-Language Pathology: Pediatrics* to what is represented above.

2. Changes to description, needs met by course, and title.

Speech, Learning, and Hearing Sciences

*CLIN INTERV SLP*

SLHS 626A. Clinical Intervention in Speech-Language Pathology (0.5)

Supervised intervention practica with children and adults with a variety of speech-language disorders. Up to two hours per week of client contact plus staffing. Up to three sections may be taken concurrently per semester. Maximum credit six units.

Change(s): Description changed from *Supervised intervention practica with children. Up to two hours per week of client contact plus staffing. Up to three units may be taken concurrently. Maximum credit nine units* to what is represented above. Satisfies Concentration/Emphasis/Specialization. Title changed from *Pediatric Speech-Language Pathology* to what is represented above.

3. Changes to description, needs met by course, and prerequisites.

Speech, Learning, and Hearing Sciences

SLHS 630. Professional Skills in Speech-Language Pathology II (1)

Development of professional skills necessary for working successfully in off-campus settings to include caseload management, conflict resolution, professional credentialing requirements, and supervision/leadership skills. (Formerly numbered Speech, Language, and Hearing Sciences 929)

Change(s): Description changed from *Development of professional skills necessary for working successfully in off-campus settings to include caseload management, conflict resolution, professional credentialing requirements, and supervision/leadership skills. (Formerly numbered Speech, Language, and Hearing Sciences 929.)* to what is represented above. Satisfies Degree. Prerequisites changed from *Speech, Language, and Hearing Sciences 617. Minimum of 100 hours of supervised clinical practicum and departmental approval. Concurrent registration in Speech, Language, and Hearing Sciences 933* to what is represented above.

4. New course.

Speech, Learning, and Hearing Sciences

*SEM NEURO COMM DIS (C-5)*

SLHS 722. Seminar in Neurogenic Communication Disorders (3)

Prerequisite: Consent of instructor

Neurogenic communication disorders in children and adults to include aphasia, cognitive-communication disorders, dysarthria, apraxia of speech, and/or dementia. Theoretical frameworks, treatment, management, and intervention of these disorders.

## STATISTICS

1. New course.

Statistics

*DATABASE MGT AND PRED (C-4)*

STAT 656. Database Management and Predictions (3)

(Offered only through SDSU Global Campus)

Prerequisite: Statistics 551B or 556.

Database management and predictions in data science. SQL, regression analyses and diagnostics, discriminant analyses and classifications, missing imputations.

2. New course.

Statistics

*STAT & MACH LEARN METH (C-4)*

STAT 657. Statistical and Machine Learning Methods (3)

(Offered only through SDSU Global Campus)

Prerequisites: Statistics 556 and 656.

Modern statistical and machine learning methods and algorithms. Model selection and regularization, generalized additive models, support vector machines, and neural nets.

3. New course.

Statistics

*ADVANCED DATA ANALYTICS (C-4)*

STAT 658. Advanced Data Analytics (3)

(Offered only through SDSU Global Campus)

Prerequisites: Statistics 551B, 556 or 350B, and either 610 or 656.

Advanced methods and theory for data analysis techniques and applications. The technique areas include generalized linear models, nonlinear models for regression, time series, and spatial models.

4. Change to needs met by course and prerequisites.

Statistics

STAT 701. Monte Carlo Statistical Methods (3)

Prerequisites: Statistics 610 and 670B with a grade of B (3.0) or better in each course and graduate standing.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major, Concentration/Emphasis/Specialization. Prerequisites changed from Statistics *551B or 670B* to what is represented above.

5. Change in program.

Statistics

**Specific Requirements for the Master of Science Degree in Statistics  
(Major Code: 17021) (SIMS Code: 776369)**

Paragraphs 1-2 (*no change*)

The student must complete a minimum of 33 units of coursework as described below. Upon entry to the program, the student will be assigned to a graduate adviser in statistics. Thereafter, the adviser will meet with the student each semester and discuss his or her academic program. A program of study must be approved by the graduate adviser in statistics.

1. (*no change*)
2. Complete nine units of courses in statistics and biostatistics, selected from the following with the approval of the graduate adviser in statistics: Statistics 672, 673, 676, 677, 678, 680A, 680B, 696, 700, 701, 702, 750, 794, 795.
3. (*no change*)
4. (*no change*)
5. (*no change*)
6. Complete one unit of Statistics 720.
7. Complete two units of Statistics 798.
8. The thesis option (Plan A) requires approval of the graduate adviser and the statistics division faculty member who will chair the thesis committee. Students who choose Plan A must include Statistics 799A in the 33-unit program and are required to pass a final oral examination on the thesis, open to the public.

9. In other cases, Plan B will be followed. Students who choose Plan B are required to complete three additional units of 600- and 700-numbered statistics courses, not including Statistics 799A, and pass a comprehensive written examination. Policy and procedures for the Plan B examination are documented and available from the Department of Mathematics and Statistics.

Change(s): 1. The existing requirement is "Complete nine units of courses in statistics and biostatistics, selected from the following with the approval of the graduate adviser in statistics: Statistics 672, 673, 676, 677, 678, 680A, 680B, 696, 700, 701, 702, 795." The new program will require "Complete nine units of courses in statistics and biostatistics, selected from the following with the approval of the graduate adviser in statistics: Statistics 656, 657, 658, 672, 673, 676, 677, 678, 680A, 680B, 696, 700, 701, 702, 750, 794, 795." 2. The existing requirement is "The student must complete a minimum of 31 units of coursework as described below." The new program will require "The student must complete a minimum of 33 units of coursework as described below." 3. A new item is added: "Complete 2 units of Statistics 798."

#### TELEVISION, FILM AND NEW MEDIA

1. New course.

Theatre, Television, and Film

*SEM: INTENSIVE TV & FILM (C-5)*

TFM 607. Seminar: Intensive Television and Film (3)

(Offered only through SDSU Global Campus)

Prerequisite: Admission to the MFA in Screen Writing program.

Intensive seminar in cinematography, direction, editing, and sound production for television and film. Tools of production culminating in the presentation and critique of students' creative work.

2. New course.

Theatre, Television, and Film

*MFA CAPSTONE PROJECT (C-25)*

TFM 792. MFA Capstone Project (3)

(Offered only through SDSU Global Campus)

Prerequisite: Admission to the MFA in Screen Writing program.

Preparation of a capstone project for the MFA Plan B option.

3. New course.

Theatre, Television, and Film

*PUBLIC PRESENTATION (C-25)*

TFM 793. Capstone Public Presentation (1)

(Offered only through SDSU Global Campus)

Prerequisite: Admission to the MFA in Screen Writing program.

Presentation based on written thesis to include a problem in history, theory, or pedagogy showing evidence of original research (MFA Plan A); presentation of creative work developed in MFA Capstone Project (MFA Plan B).

4. New course.

Theatre, Television, and Film

*MFA RESEARCH (C-25)*

TFM 797. MFA Research (1-3) Cr/NC

(Offered only through SDSU Global Campus)

Admission to MFA in Screen Writing program.

Research in preparation for the thesis or capstone project. Maximum credit four units.

## THEATRE

1. New course.

Theatre, Television, and Film

*ADV GRAD PLAYWRITING (C-4)*

THEA 673. Advanced Graduate Playwriting (3)

(Offered only through SDSU Global Campus)

Prerequisite: Admission to MFA in Screen Writing program.

Intensive study of writing for the stage. Production of medium-length works. Analysis, feedback, and revision.

## WOMEN'S STUDIES

1. Change in program.

Women's Studies

**Advanced Certificate in Women's Studies**

**(SIMS Code: 119503)**

Paragraph 1 (*no change*)

The advanced certificate requires 12 units, to include Women's Studies 590. A minimum of six units selected from Women's Studies 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612.

Three units to be selected from the following list: Women's Studies 512, 515, 520, 522, 530, 533, 535, 536, 544, 545, 552, 560, 565, 570, 572, 575, 580, 581, 582, 585.

Remainder of description (*no change*)

Change(s): Addition of WMNST 533, 544, 552, 575. Eliminate specializations.

2. Change in program.

Women's Studies

**Specific Requirements for the Master of Arts Degree  
(Major Code: 49991) (SIMS Code: 119502)**

In addition to meeting the requirements for classified graduate standing and the basic requirements for the master's degree as described in Requirements for Master's Degrees, the student, in consultation with the graduate adviser, must fulfill a three-unit language requirement selected from a foreign language, statistics, or American Sign Language. In addition, the student must complete a graduate program of 30 units as detailed below. Other substitutes may be approved where the skills involved are directly related to the student's research interests. Course selection and programs must be approved by the graduate adviser.

**Core:** Women's Studies 601, 602, 609.

**Prescribed electives:** Select six units from the following: Women's Studies 603, 604, 605, 606, 607, 608, 610, 611, 612, 696.

**Graduate electives:** Nine units selected from 500-level, 600-level, and 700-level courses with approval of the graduate director.

**Culminating experience (6 units):**

Plan A (thesis or project): Women's Studies 797 and 799A.

**OR**

Plan B (comprehensive examination): Women's Studies 797 and 798.

Change(s): WMNST 609 will now be required.

Report prepared and respectfully submitted by Curriculum Services on behalf of the Graduate Curriculum Committee.

To: Senate Executive Committee/Senate  
From: Graduate Council  
Date: December 3, 2020  
Re: 2021-2022 *General Catalog* and *Graduate Bulletin*

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**INFORMATION (9I-12-20.500)**

COMPUTER SCIENCE

1. Change to prerequisites.

Computer Science

CS 514. Database Theory and Implementation (3)

Prerequisites: Computer Science 210 and Mathematics 245.

Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 310 and Mathematics 245* to what is presented above.

2. Change to description and prerequisites.

Computer Science

CS 520. Advanced Programming Languages (3)

Prerequisites: Computer Science 210 and 240.

Concurrent programming, logic programming, object-oriented programming. Implementation issues.

Change(s): Description updated from *Object oriented programming, concurrent programming, logic programming. Implementation issues* to what is presented above  
Prerequisites changed from *Computer Science 237, 310, and 320* to what is presented above.

3. Change to description and prerequisites.

Computer Science

CS 530. Systems Programming (3)

Prerequisites: Computer Science 210 and 240.

Design and implementation of system software. Relationship between software design and machine architecture. Assemblers, compilers, debuggers, editors, linkers and loaders, macro processors. Object oriented concepts and programming fundamentals. Not acceptable for the M.S. degree in computer science.

Change(s): Description updated from *Design and implementation of system software. Relationship between software design and machine architecture. Topics from assemblers, loaders and linkers, macro processors, compilers, debuggers, editors. Introduction to software engineering and review of programming fundamentals and object oriented concepts. Large project in object oriented programming is required. Not acceptable for the M.S. degree in computer science* to what is presented above. Prerequisites changed from *Computer Science 237 and 310* to what is presented above.

4. Change to prerequisite.

Computer Science  
CS 532. Software Engineering (3)  
Prerequisite: Computer Science 250.  
Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 320 and 530* to what is presented above.

5. Change to description and prerequisite.

Computer Science  
CS 545. Introduction to Web Application Development (3)  
(Offered only through SDSU Global Campus)  
Prerequisite: Computer Science 210.  
World Wide Web application development. Client-side and server-side scripting, CSS, Javascript, PHP and CGI programming with Perl, XHTML. Application integration with SQL database systems.

Change(s): Description updated from *World Wide Web application development. XHTML, CSS, Javascript, client-side and server-side scripting, PHP and CGI programming with Perl. Application integration with SQL database systems* to what is presented above. Prerequisite changed from *Computer Science 310* to what is presented above.

6. Change to prerequisites.

Computer Science  
CS 546. Human Computer Interfaces (3)  
(Offered only through SDSU Global Campus)  
Prerequisites: Computer Science 210 and 520.  
Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 310 and 320* to what is presented above.

7. New course.



Computer Science  
*MACHINE LEARNING (C-1)*  
CS 549. Machine Learning (3)

Prerequisites: Computer Science 210 and Mathematics 254.

Algorithms and computer methods for machine learning. Supervised methods: convolutional neural networks, feedforward neural networks, linear regression, logistic regression, support vector machine; unsupervised methods: dimensionality reduction, k-means clustering, subspace learning. Applications in classification, regression and visualization.

8. Change to description, grading method, prerequisites, and staffing formula.

Computer Science  
*NEURAL NETWORKS (C-1)*  
CS 553. Neural Networks (3)

Prerequisites: Computer Science 210 and Mathematics 254.

Computer algorithms and methods for neural networks. Convolutional networks, feedforward networks, generative adversarial networks, graphical neural networks, recurrent neural networks; backward propagation, computational graph, regularization, stochastic gradient descent; autoencoder networks and deep structure models.

Change(s): Description changed from *Principles of neural networks, their theory and applications* to what is presented above. Grading method updated from +-LETTER (C/N OK) to just +-LETTER. Prerequisites changed from *Computer Science 320 and Mathematics 254* to what is represented above. Staffing formula changed from C-4 to what is represented above.

9. Change to description, prerequisites, and title.

Computer Science  
*ROBOTICS*  
CS 556. Robotics (3)

Prerequisites: Computer Science 450, Mathematics 254, and familiarity with Matlab programming language.

Robotic systems and their components. Spatial descriptions and transformations. Kinematics and inverse kinematics of robots. Robotic programming and simulation environments to include Matlab Robotics Toolbox. Mobile robots. Trajectory tracking and control. Path planning.

Change(s): Description changed from *Robotic systems including manipulators, actuators, sensors, and controllers. Kinematics of planar robots. Design and implementation of robot joint controllers. Robot programming languages and environments, and robot command interfaces* to what is represented above. Prerequisites changed from *Computer Science 320, Mathematics 254, knowledge of the C programming language* to what is represented above. The title changed from *Robotics: Mathematics, Programming, and Control* to what is represented above.

10. Change to prerequisites.

Computer Science

CS 558. Computer Simulation (3)

Prerequisites: Computer Science 210 and Statistics 550.

Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 310 and Statistics 550* to what is represented above.

11. Change to description, grading methods, and prerequisites.

Computer Science

CS 559. Computer Vision (3)

Prerequisites: Computer Science 210 and Mathematics 254.

Algorithms and computer methods for processing of images, edge detection and filtering in spatial domain, FFT and filtering, frequency domain analysis of images, image compression, low level image processing, neighborhood operations, segmentation.

Change(s): Description changed from *Algorithms and computer methods for processing of images. Visual perception as a computational problem, image formation, characterization of images, feature extraction, regional and edge detection, computer architectures for machine vision* to what is represented above. Grading methods changed from *C/N* to letter grade only. Prerequisites changed from *Computer Science 310 and Mathematics 254* to what is represented above.

12. New course.

Computer Science

*DEEP LEARNNG NATURAL LANG (C-1)*

CS 561. Deep Learning for Natural Language Processing (3)

Prerequisites: Computer Science 210 and 520.

Approaches on deep neural networks. Common tasks, modern programming frameworks, and state-of-the-art models.

13. Change to prerequisites.

Computer Science

CS 574. Computer Security (3)

Prerequisites: Computer Science 480 and Mathematics 245.

Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 310, Mathematics 245, and credit or concurrent registration in Computer Science 570* to what is represented above.

14. New course.

Computer Science

*PRIN&TECHNQS DATA SCIENCE (C-4)*

CS 577. Principles and Techniques of Data Science (3)

Prerequisites: Computer Science 210, Mathematics 254, and Statistics 250.

Data classification, cleaning, common representation and operations, dimensionality reduction, hypothesis testing, life cycle, regression, statistical inference, and visualization.

15. New course.

Computer Science

*WIRELESS NETWORKS (C-1)*

CS 578. Wireless Networks (3)

Prerequisite: Computer Science 210.

Current and future protocols, fundamental theories, low power Internet of things and wireless sensor networks.

16. Change to prerequisite.

Computer Science

CS 581. Computational Linguistics (3)

(Same course as Computer Science 581)

Prerequisite: Computer Science 520, Linguistics 571, or 572 [or Big Data Analytics 572].

Description (*no change*)

Change(s): Prerequisites changed from *Computer Science 320, or Linguistics 571 or 572, or Big Data Analytics 572* to what is represented above.

17. Change to prerequisite.

Computer Science

CS 582. Introduction to Speech Processing (3)

Prerequisite: Computer Science 210.

Description (*no change*)

Change(s): Prerequisite changed from *Computer Science 310* to what is represented above.

18. Change to prerequisite.

Computer Science

CS 583. 3D Game Programming (3)

Prerequisite: Computer Science 210.

Description (*no change*)

Change(s): Prerequisite changed from *Computer Science 310* to what is represented above.

## MARKETING

1. New course.

Marketing

*CAUSE SELLING & FUNDRAISE (C-2)*

MKTG 515. Cause Selling and Fundraising (3)

Prerequisite: Business Administration 370 with a grade of C (2.0) or better or Business Administration 645.

Cause selling strategies and tactics. Integration of cause selling and marketing through relationship management, planning and delivery of donor presentations, the use of technology and analytics, and trust-building techniques to engage prospects.

## MATHEMATICS

1. Change to needs met by course and prerequisites.

Mathematics

MATH 510. Introduction to the Foundations of Geometry (3)

Prerequisites: Mathematics 151 and 302 with a grade of C (2.0) or better in each course.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major, Concentration/Emphasis/Specialization, Minor. Prerequisite changed from *Mathematics 151 with a grade of C (2.0) or better* to what is represented above.

2. Change to prerequisites.

Mathematics

MATH 531. Partial Differential Equations (3)

Prerequisites: Mathematics 252 and either 237, 342A, or Aerospace Engineering 280 with a grade of C (2.0) or better in each course.

Remainder of description (*no change*)

Change(s): Prerequisite changed from *Mathematics 252 and 337 with a grade of C (2.0) or better in each course. Proof of completion of prerequisites required: Copy of transcript* to what is represented above.

3. Change to prerequisite.

Mathematics

MATH 537. Ordinary Differential Equations (3)

Prerequisite: Mathematics 237, 330, or Aerospace Engineering 280 with a grade of C (2.0) or better.

Remainder of description (*no change*)

Change(s): Prerequisites changed from *Graduate standing or Mathematics 330 or 337 with a grade of C (2.0) or better. Proof of completion of prerequisite required: Copy of transcript* to what is represented above.

4. Change to prerequisites.

Mathematics

MATH 538. Discrete Dynamical Systems and Chaos (3)

Prerequisite: Mathematics 237, 330, 340, 342A, or Aerospace Engineering 280 with a grade of C (2.0).

Remainder of description (*no change*)

Change(s): Prerequisites changed from *Mathematics 330, 337, 340, or 342B with a grade of C (2.0) or better. Proof of completion of prerequisite required: Copy of transcript* to what is represented above.

## MECHANICAL ENGINEERING

1. Change to needs met by course and prerequisites.

Mechanical Engineering

M E 552. Heating, Ventilating, and Air-Conditioning (3)

Prerequisite: Mechanical Engineering 452.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major. Prerequisites changed from *Mechanical Engineering 351 and 452* to what is represented above.

2. Change to needs met by course and prerequisites.

Mechanical Engineering

M E 554. Automotive Power (3)

Prerequisite: Mechanical Engineering 452.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major, Concentration/Emphasis/Specialization. Prerequisites changed from *Mechanical Engineering 351 and 452* to what is represented above.

3. Change to needs met by course and prerequisites.

Mechanical Engineering

M E 555. Thermal Systems Analysis and Design (3)

Prerequisite: Mechanical Engineering 452.  
Remainder of description (*no change*)

Change(s): Satisfies Degree/Major, Concentration/Emphasis/Specialization. Prerequisites changed from *Mechanical Engineering 351 and 452* to what is represented above.

4. Change to needs met by course and prerequisites.

Mechanical Engineering

M E 556. Solar Energy Conversion (3)

Prerequisites: Mechanical Engineering 360 and 452.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major, Concentration/Emphasis/Specialization. Prerequisites changed from *Mechanical Engineering 351 and 452* to what is represented above.

## NUTRITION

1. Change to course number, course statement, needs met by course, and prerequisite.

Nutrition

NUTR 512. Nutrition for Athletes (3)

Prerequisite: Nutrition 201 or admission to the M.S. in Athletic Training program.

Influence of exercise on nutritional status and dietary requirements. Current theories and practices related to nutrition and athletic performance. (Formerly numbered Nutrition 312.)

Change(s): Course number changed from 312 to what is represented above. *Formerly numbered* statement added to course statement field. Satisfies Degree/Major. Prerequisite changed from *Nutrition 201* to what is represented above.

## PUBLIC HEALTH

1. Change to course number, course statement, description, needs met by course, and prerequisite.

Public Health

P H 538A. Principles of Toxicology (3)

Prerequisite: Upper division or graduate standing.

Dose-response and other principles for evaluating the effects of toxic chemicals on organ systems and physiological processes. (Formerly numbered Public Health 638A.)

Change(s): Course number changed from *P H 638A* to what is represented above. Course description changed from *Dose-response and other principles for evaluating the effects of toxic chemicals on mammalian organ systems* to what is represented above. *Formerly numbered* statement added to course statement field. Satisfies

Concentration/Emphasis/Specialization. Prerequisites changed from *N/A* to what is represented above.

SPEECH, LANGUAGE, AND HEARING SCIENCES

1. New course.

Speech, Learning, and Hearing Sciences

*GUIDED OBSERVATIONS (C-3)*

SLHS 510. Guided Observations (1) Cr/NC

Prerequisite: Upper division or graduate standing.

Twenty-five hours of guided observations. Clinical activities and debriefing of therapy and evaluation procedures.

Report prepared and respectfully submitted by Curriculum Services on behalf of the Graduate and Undergraduate Curriculum Committees.

TO: SEC/University Senate 6.3  
FROM: Adrienne D. Vargas, Vice President, University Relations and Development  
DATE: January 19, 2021  
RE: Information

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**Philanthropy Report:**

Alumni Ron and Alexis Fowler made a gift of \$5,000,000, which completes their \$25 million commitment to support the Fowler College of Business, which was named in their honor.

Reverend Stephen J. Mather committed to a planned gift of \$2,494,320 to support the Department of Religious Studies in the College of Arts and Letters.

Faculty Emerita Annalisa Berta committed to a planned gift of \$1,534,718 to support the Department of Biology in the College of Sciences.

Alumna Valerie McPherson made a planned gift of \$1,025,117 to support the Fowler College of Business.

Alumnus L. Robert Payne and Patty Payne committed to a pledge of \$250,000 to support the Harold K. Brown Career Learning and Understanding Biases Program Fund in the Division of Student Affairs and Campus Diversity.

Vice President, Research, Dr. Hala Madanat and Faculty Member Iyas Ray Masannat committed to a planned gift of \$238,469 to support the School of Public Health in the College of Health and Human Services.

Alumnus Malin and Roberta Burnham committed to a pledge of \$250,000 to support the Harold K. Brown Career Learning and Understanding Biases Program Fund in the Division of Student Affairs and Campus Diversity.

Julia Richardson Brown committed to a pledge of \$65,000 to support the Julia Brown Musical Theatre Scholarship and a pledge of \$250,000 to support the Performing Arts District in Mission Valley.

Board Member and Alumnus Frederick and Christine Pierce committed to a pledge of \$93,750 to support the Frederick W. Pierce Finance Endowed Scholarship, Frederick W. Pierce Finance Endowed Scholarship, and Frederick W. Pierce Entrepreneurship Endowed Scholarship in the Fowler College of Business. They pledged an additional \$300,000 to support the Director's Cabinet in the Department of Athletics.

Alumnus Elaine and Dennis Szeto committed to a pledge of \$400,000 to support the Dennis and Elaine Szeto Endowed Professorship in Finance in the Fowler College of Business.



Bergelectric Charitable Foundation pledged \$100,000 to support the AGC Construction Management Endowed Chair in the College of Engineering.

The Charles Wei-Hsun Fu Foundation pledged \$60,000 to support the Charles Wei-Hsun Fu Foundation Africana Studies Fund in the College of Arts and Letters.

Scott Pressley pledged \$75,000 to support the Equipment Room Attendant Salary Fund in the Department of Athletics.

Alumnus Thomas Golich and Alumna Attended Donna Golich made a gift of \$50,000 to support the Tom and Donna Bergelis Golich Endowed Scholarship in Communication in the College of Professional Studies and Fine Arts.

Alumnus Gregory Hull committed to a planned gift of \$50,000 to support student scholarships in the Alumni Association.

Dr. J. Gordon Melton contributed a gift in kind valued at \$47,886 to support the Special Collections in the University Library.

Eric Warren and Karen Baars Warren gifted a gift in kind valued at \$23,285 to the Special Collections at the University Library.

Faculty Emeritus Dr. Paul Strand and Alumna Sarah Hillier pledged \$25,000 to support the Paul Strand Endowed Scholarship in the College of Professional Studies and Fine Arts.

Alumnus John J. Martin and Katherine Fitzhugh made a gift of \$33,307 to support the Performing Arts District, scholarships, Special Collections and Inewsourc.

Alumnus Attended Jason Shidler made a gift of \$16,185 to support the Aztec Club in the Department of Athletics.

Alumna Chutaphin Yeager and Faculty Member William Yeager contributed a gift in kind valued at \$34,980 to the School of Music and Dance in the College of Professional Studies and Fine Arts.

Alumna Lisa and Alumnus Attended Kenneth Wolf committed to a pledge of \$25,000 to support the Lisa and Kenneth Wolf Endowed Scholarship in the Division of Student Affairs and Campus Diversity.

ASML made a gift of \$11,000 to support the Mechanical Engineering Fund in the College of Engineering.

Alumna Nancy Bailey contributed \$10,000 to support the A. R. Bailey Dean's Endowment in the Fowler College of Business.

Alumnus Eugene Hering and Alumna Attended Suellen Hering contributed \$10,000 to support the Student Field Experiences Fund in the College of Sciences.

Current Parents, Alumnus Thomas and Jane Ryskamp made a gift of \$10,000 to support the Director's Cabinet in the Department of Athletics.

Past Parents Dan and Lori Steinberg made a gift of \$10,000 to support the Zahn Innovation Platform Launchpad in the Division of Graduate and Research Affairs.

Alumni Robert and Amy Abramson made a gift of \$504,614 to support the Robert and Amy Abramson Endowed Professorship in Finance in the Fowler College of Business and an additional \$10,000 to support the college.

Alumni General Merrill and Elynor McPeak contributed a gift of \$526,316 to support the Elynor F. McPeak Endowed Scholarship for Economics Excellence in the College of Arts and Letters and the Elynor F. McPeak Endowed Scholarship for Aztecs Forensics Excellence in the College of Professional Studies and Fine Arts.

Board Chair and Alumna Nikki and Alumnus Ben Clay made a gift of \$200,000 to support the Mission Valley River Park and \$100,000 to support the Performing Arts District.

Board Member and Alumnus Jeffrey and Dr. Lisa Braun Glazer made a gift of \$100,000 to support SDSU's new Mission Valley campus.

Past Parents, Alumni Art and Gwen Flaming made a gift of \$50,000 to support the Men's Basketball Excellence Fund, \$40,000 to support the Football Excellence Fund, \$10,000 to support the Men's Baseball Excellence Fund in the Department of Athletics and a gift of \$10,000 to support The Wallace, Shatsky, Blackburn Courage Through Cancer Fund.

The Gilbert J. Martin Foundation contributed \$100,000 to support the Gilbert J. Martin Foundation Endowed Scholarship in the Fowler College of Business and \$10,000 to the Department of Athletics.

Alumna Mary Logan contributed \$50,000 to support the Alumni Endowed Scholarship for Nursing in the College of Health and Human Services.

Current Parents Emory and Gini Wright made a gift of \$50,000 to support the Guardian Scholars Program in the Division of Student Affairs and Campus Diversity.

At the recommendation of Board Member, Todd Hollander, Union Bank of California Foundation made a gift of \$45,000 to support the Zahn Innovation Platform Launchpad - Women in STEM Entrepreneurship Initiative and SDSU's Osinski Family Women in Entrepreneurship & Leadership Endowment in the Fowler College of Business.

Jeffrey Jacobs made a gift of \$35,000 to support the Director's Cabinet supporting student-athletes in the Department of Athletics.

Board Member Peter and Elaine Shaw contributed \$34,857 to support the Director's Cabinet and Women's Basketball Excellence Fund in the Department of Athletics.

Alumni Ciaran and Shannon Thorton contributed \$25,000 to support the Director's Cabinet supporting student-athletes in the Department of Athletics.

Alumnus Attended Kevin and Leann McCarthy made a gift of \$30,000 to support the Director's Cabinet supporting student-athletes in the Department of Athletics.

Alumni Paul and Dr. Dian Denyer contributed \$15,000 to support the Director's Cabinet supporting student-athletes in the Department of Athletics.

Bill Habeger contributed \$30,000 to support the Director's Cabinet supporting student-athletes in the Department of Athletics.

The Land of the Free Foundation made a gift of \$30,000 to support the Veterans Academic Advisory Fund in the Division of Student Affairs and Campus Diversity.

The Ellen and Edward Wong Family Foundation contributed \$30,000 to support the Ellen G. and Edward G. Wong Endowed Scholarship in the Fowler College of Business.

The Johnson Family Trust made a gift of \$28,000 to support the School of Nursing Scholarship Endowment in the College of Health and Human Services.

Alumnus Kenneth and Wendy Gerda contributed \$26,369 to support the Gerda Family Endowed Scholarship in the Fowler College of Business.

Andrew Ballester and Alumna Kara Johnson Ballester made a gift of \$25,000 to support the BQuest Foundation Aztec Cooperative Fund in the Division of Graduate and Research Affairs.

Alumnus Mary and M.J. Linksy contributed \$25,000 to support the Lou Terrell Memorial Endowed Scholarship in the College of Arts and Letters.

Faculty Emerita Dr. Alma Koch and Michael Pollock made a gift of \$25,000 to support the Koch-Pollak Endowed Scholarship in the College of Health and Human Services.

Alumnus Thad and Rone Gustafson contributed \$24,643 to support the Management Information Systems Department Excellence Endowment in the Fowler College of Business.

The Peacemakers Fund made a gift of \$20,000 to support the William R. Mundt Scholarship for International Internships in Peace and Security in the College of Arts and Letters.

The California Health Care Foundation, on behalf of Board Member Dan Gross, contributed \$20,000 to support the CHHS International Experience Fund in the College of Health and Human Services.

3M Company made a gift of \$20,000 to support the 3M Frontline Professional Selling and Sales Management in the Fowler College of Business.

Scott Borden made a gift of \$17,853 to support the Student Rocket and Design Fund in the College of Engineering.

The Doris A. Howell Foundation for Women's Health Research made a gift of \$17,500 to support the CSUPERB CSU Ed Research Biotech Fund in the College of Sciences.

Alumnus Mark Mays made a gift of \$15,000 to support The Wallace, Shatsky, Blackburn Courage Through Cancer Fund.

The Handlery Foundation contributed \$15,000 to support the L. Robert Payne School of Hospitality & Tourism Management-Operating Fund in the College of Professional Studies and Fine Arts.

Alumnus Stephen Nielander and Dominique Alessio contributed \$13,187 to support the Nielander Alessio Endowed Scholarship in Finance, the Nielander Alessio Endowed Scholarship for Veterans, the Finance Department Faculty Fund and the Athletics General Excellence Fund.

Alumna Jacintha and Vach Kompella made a gift of \$10,973 to support the Instructional Technology Fund in the College of Education.

Alumni Joseph Oliver and Susan Mack Oliver made a gift of \$10,000 to support the SDSU War & Society State Department Fellowship in the College of Arts and Letters.

Becky Moores contributed \$10,500 to support the Daniel and Joan Roman Guardian Scholars Fund in the Division of Student Affairs and Campus Diversity.

Dr. Thomas Beers made a gift of \$10,000 to support the Jane Beers School of Social Work Scholarship Endowment in the College of Health and Human Services.

Alumni Catherine Stiefel and J. Keith Behner made a gift of \$10,000 to support the Catherine M. Stiefel Scholarship in the Fowler College of Business.

Alumni Scott and Sarita Flaming made a gift of \$10,000 to support The Wallace, Shatsky, Blackburn Courage Through Cancer Fund.

The Honorable Susan Alpert Davis contributed \$10,000 to support Library Special Collections Fund in the University Library.

Alumni Eric and Peggy Johnson made a gift of \$10,000 to support the Student Rocket and Design Fund in the College of Engineering.

AMDM contributed \$10,000 to support the AMDM Master of Science in Regulatory Affairs Scholarship in the College of Sciences.

Alumnus Honorable Victor Bianchini made a gift of \$10,000 to support the Victor Bianchini War & Society Excellence Fund in the College of Arts and Letters.

Green Kids Crafts Inc. made a gift of \$10,000 to support the Center for Public and Oral History's STEAM Education Project in the College of Arts and Letters.

Miller Electric Manufacturing, LLC made a gift in kind of \$10,075 to the College of Engineering.

Dr. J. Gordon Melton contributed a gift in kind valued at \$12,545 to the Special Collections in the University Library.

Mirati Therapeutics Inc. contributed a gift in kind valued at \$20,000 to the College of Sciences.

Vision Engineering made a gift in kind of equipment valued at \$20,690 to the College of Engineering.

Betsey Potter contributed a gift in kind valued at \$205,600 to the Special Collections Department in the University Library.

Alumnus Jack and Laura Sword contributed a gift in kind valued at \$185,875 to the University Library.

Harrison Ellenshaw made a gift in kind donation valued at \$121,950 to the University Library.

Alumni Robert and Deidre Murphy made a pledge of \$100,000 to support the Murphy Family Emergency Assistance Program Endowment in the Fowler College of Business.

Alex Hadju made a gift in kind donation valued at \$62,384 to the University Library.

Susan Bernay made a gift in kind donation valued at \$54,539 to the University Library.

Alumnus Attended Mike Ibe committed to a pledge of \$50,000 to support the Equipment Room Attendant Salary Fund in the Department of Athletics.

An anonymous donor committed to a planned gift of \$296,452 to support an endowment in the College of Education.

Faculty Emeriti Dr. Linda Holler and Dr. Mary Kelly committed to a planned gift of \$50,000 to support the Dr. Linda Holler and Dr. Mary Kelly Endowed Women's Studies Scholarship in the College of Arts and Letters.

Alumnus Gary Beardsley made a pledge of \$50,000 to support the Nancy and Gary Beardsley Endowed Scholarship in the Fowler College of Business.

Alumnus Kenneth and Theresa Kurita committed to a pledge of \$50,000 to support the Kenneth and Theresa Kurita Endowed Scholarship in the Fowler College of Business.

Alumnus Attended David and Alumna Allyson Frye-Henderson made a pledge of \$25,000 to support the Management Information Systems Department Excellence Endowment in the Fowler College of Business.

Alumna Kathleen and Kenn Frankel made a pledge of \$25,000 to support the Edward G. Gergurich Memorial Endowed Scholarship in the Fowler College of Business.

Alumni Alfredo and Sandra Aldrete committed to a pledge of \$10,000 to support the Alfredo Aldrete and Sandra Pulido Aldrete MESA Endowed Scholarship in the College of Engineering.

Alumna Sarah B. Marsh-Rebelo and John Rebelo made a gift of \$10,000 to support the Marsh-Rebelo Excellence Fund for MFA Program in Poetry in the College of Arts and Letters.

Board Member and Alumna Mary Curran made a gift of \$10,000 to support the Department of Athletics.

Alumnus Victor and Lisa Gonzales made a gift of \$10,000 to support the Accounting Excellence Endowment in the Fowler College of Business.

We're really pleased that so many of our donors and friends are committed to our campus expansion into Mission Valley. As many of you know, the stadium unlocks the entire project and we are happy to report the following donors have made gifts in support of the Stadium Excellence Fund:

Board Member and Alumnus Stephen and Lynne Doyle pledged \$650,000 to support the Director's Cabinet as well as the Stadium Excellence Fund.

Tom and Cookie Sudberry pledged \$100,000.

Alumnus and Board Member Michael Neal and Alumna Merrilee Neal made a gift of \$165,000.

Alumnus and Board Member Stephen and Lynne Doyle made a gift of \$100,000.

Alumnus Scott Hall made a gift of \$10,000.

Alumnus Paul and Melanie Tyszkiewicz made a pledge of \$61,500 and a gift of \$15,000.

Alumnus Nicole Huff made a gift of \$10,000.

Paul and Joe Miller made a gift of \$15,000.

Past Parents Paul and Gloria Benitez made a gift of \$10,000.

Alumni J. Keith Behner and Catherine Stiefel made a gift of \$10,000.

Alumnus Neal and Andrea Rudy made a gift of \$10,000.

Alumni and Board Member Frederick W. Pierce, IV and Christine Pierce committed to a pledge of \$402,312.

David and Charlotte Garcia committed to a pledge of \$165,000.

Alumni Hartmut and Barbara Klein committed to a pledge of \$60,000.

Alumnus Stephen Estey committed to a pledge of \$30,000.

Alumnus Michael and Mindy Lewis committed to a pledge of \$25,000.

Rob Bryson and Liz Millarkey committed to a pledge of \$25,000.

Alumnus Keith and Nicole Keilman committed to a pledge of \$25,000.

Spencer Troth committed to a pledge of \$25,000.

Sean and Sarah Evans committed to a pledge of \$25,000.

Norv Turner committed to a pledge of \$30,000.

Alumni Robert and Lisa O'Carroll committed to a pledge of \$30,000.

Alumnus Peter and Sandra Phillips committed to a pledge of \$30,000.

Derek Barksdale committed to a pledge of \$30,000.

Alumnus Edward Arthur committed to a pledge of \$15,000.

Downie and Karen Beckett committed to a pledge of \$15,000.

Alumnus Scott and Tracy Frudden committed to a pledge of \$15,000.

Reber Reinforcing committed to a pledge of \$25,000.

Alumnus Attended Chris and Jo Ann Gwynn committed to a pledge of \$15,000.

Alumnus Christopher and Carey Fernandes committed to a pledge of \$12,500.

Alumna Dolores Flores committed to a pledge of \$15,000.

Brook and Jean Anne Daly committed to a pledge of \$15,000.

Alumni Thomas and Board Member Linda Lang committed to a pledge of \$15,000.

Howard and Christy Zatkan committed to a pledge of \$50,000.

Sandra Dennison committed to a pledge of \$12,500.

Alumnus Mike Boulger and Sherry Bowser made a gift of \$18,000.

Alumnus Attended Joseph Castagnola made a gift of \$20,000.

Alumna Becky and Steve Phillipott contributed \$20,000.

Alumni Darryl and Carolyn Flaming contributed \$41,700.

Alumnus Brian Simantel made a gift of \$18,000.

Alumnus Rick and Mary Carol Reeder contributed \$16,500.

Alumni Benjamin and Jessica Ann Ryan contributed \$13,500.

Alumnus Curtis and April Shauger made a gift of \$11,700.

Alumnus Brendan and Heidi Hayes contributed \$10,000.

Alumnus Attended Dr. Curtis Lee Howard made a gift of \$10,000.

Alumnus Kyle and Danielle Cunningham made a gift of \$10,000.

Alumnus William E. Leonhard, Jr. made a gift of \$10,000.

Walter Valenzuela committed to a pledge of \$41,700.

Alumnus Steven and Kristen Black made a pledge of \$41,250.

Alumnus Dennis and Aluma Attended Janet Cruzan committed to a pledge of \$41,250.

Alumni Scott and Sarita Flaming committed to a pledge of \$41,250.

Alumnus Attended Adam Wasserman pledged \$37,500.

Alumnus Jason Tetley pledged \$37,500.

Alumnus Jeffrey A. Smith pledged \$37,500.

Mike Biggs pledged \$30,000.

Swanillon Inc. pledged \$30,000.

Alumni Michael Yang and Dawn Evans-Yang pledged of \$25,500.

Alumnus Rick Reeder pledged of \$24,750.

Bob Leone pledged of \$22,500.

Alumnus Braydon Hamilton committed to a pledge of \$18,750.

Alumnus Thomas Lofaro committed to a pledge of \$18,750.

Alumnus Steven Silott committed to a pledge of \$15,000.

Alumnus Raymond Dagnino, Jr. committed to a pledge of \$15,000.

Alumnus Clarke Cain committed to a pledge of \$15,000.

Glenn and Lynn Rossman committed to a pledge of \$15,000.

Alumnus Matthew Jones made a gift of \$10,000.

Alumni Gerald and Judith May contributed \$10,000.

Alumnus Scott Cain made a gift of \$10,000.

Alumnus Kevin and Candace Carlson contributed \$10,000.

### **Presidential & Special Events:**

November/December 2020:

In November 2020, an advisory committee was formed with key campus leaders to review the various planning options for Commencement 2021. As a result of the first meeting, a survey was developed and sent to future graduates to solicit their feedback. The survey garnered a response rate of 20% with 2,464 responses. Additionally, seven focus groups were conducted in December 2020 with student groups including Associated Students (main campus and Imperial Valley), Ambassadors, Resident Advisors, Senior Affinity Groups and students in our leadership minor capstone course.

January 2021:

On January 13, 2021, Special Events will facilitate a commencement discussion for the CSU Event Professionals Network monthly “On Call” hot topics session with 125 representatives from CSU and UC campuses.



To: Senate Executive Committee / Senate  
From: Steven L. Barbone, Chair  
Undergraduate Curriculum Committee  
Date: January 21, 2021  
Re: 2022-2023 *General Catalog*

6.4

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**INFORMATION (11-02-21)**

AEROSPACE STUDIES

1. Course deactivation.

Aerospace Studies

LEADERSHIP LABORATORY

A S 91A. Leadership Laboratory (1)

Prerequisite(s): Concurrent registration in Aerospace Studies 100A.

Designed to prepare junior cadets for positions as leaders and managers of the cadet corps and a commission in the US Air Force. Application of principles of motivation, time management, organizational behavior, and participative group management in solving problems. Leadership laboratory is open to students who are members of the Reserve Officer Training Corps or who are eligible to pursue a commission as determined by the professor of aerospace studies. Credit earned in this course is not applicable to a bachelor's degree.

2. Course deactivation.

Aerospace Studies

LEADERSHIP LABORATORY

A S 91B. Leadership Laboratory (1)

Prerequisite(s): Concurrent registration in Aerospace Studies 100B.

Designed to prepare junior cadets for positions as leaders and managers of the cadet corps and a commission in the US Air Force. Application of principles of motivation, time management, organizational behavior, and participative group management in solving problems. Leadership laboratory is open to students who are members of the Reserve Officer Training Corps or who are eligible to pursue a commission as determined by the professor of aerospace studies. Credit earned in this course is not applicable to a bachelor's degree.

AMERICAN INDIAN STUDIES

1. New course.

American Indian Studies

*AMERICAN INDIAN ENV MGT (C-2)*

AMIND 350. American Indian Environmental Management (3) [GE]

Prerequisite(s): American Indian Studies 110.

Indigenous astronomical, botanical, and ecological knowledge with emphasis on California Indians. Integration of traditional knowledge and western sciences in contemporary tribal governmental efforts at environmental management.

CHILD AND FAMILY DEVELOPMENT

1. Change to description and GE area fulfillment.

Child and Family Development

CFD 135. Principles of Family Development (3) [GE]

Family development in society to include applications of theory and research, lifelong learning, and self-reflection. Divorce, family dynamics and resource management, marriage, and parenting.

Change(s): Description updated from *Intimacy, compatibility, conflict, and communication in relationship formation and adjustment* to what is presented above. Course added to GE area E.

CLASSICS

1. Change to description.

Classics

CLASS 360. Sex, Gender, and the Erotic in the Ancient World (3) [GE]

Prerequisite(s): Recommended: Rhetoric and Writing Studies 200 with a grade of C (2.0) or better.

Sexual lives of Greeks and Romans in classical art, literature, and material culture. Constructions of body aesthetics, desiring subjects and desired objects, the erotic, and gender norms. Modern receptions and theoretical interpretations of ancient sex.

Change(s): Description updated from *Women's lives and experiences in ancient Greek and Roman history and literature. Gender/feminist theory and application to readings of ancient texts and material culture. Ancient attitudes toward love and sexual activity. Gender identity, homosexuality, and pederasty* to what is presented above.

CRIMINAL JUSTICE

1. New course.

Criminal Justice

*RACE EQUITY CRIM JUSTICE (C-1)*

CJ 304. Race, Equity, and the Criminal Justice System (3)

Prerequisite(s): Credit or concurrent enrollment in Criminal Justice 300.

Intersectional analysis of how race and equity have influenced the criminal-legal system over the past half-century. Implications for both citizens who have been criminalized and the people who work in the criminal-legal system.

2. Change in program.

Criminal Justice

**Criminal Justice Major**

**With the B.S. Degree in Applied Arts and Sciences**

**(Major Code: 21051) (SIMS Code: 666925)**

**(SIMS Code: 666927 - SDSU Global Campus)**

Paragraphs 1-2 (*no change*)

**Preparation for the Major.** (*no change*)

**Graduation Writing Assessment Requirement.** (*no change*)

**Major.** A minimum of 39 upper division units to include Criminal Justice 300, 301, 302, 303, 304 or AFRAS 380, 540, and one criminal justice practicum course selected from Criminal Justice 431, 497, 498, 543, 550, or International Security and Conflict Resolution 450. Students must complete 9 additional upper division units in accordance with the major academic plan, to include a minimum of six criminal justice-specific units. Additionally, students must complete two upper division three-unit elective courses in public administration.

**Master Plan.** Students should follow the Criminal Justice Advising Guide to ensure completion of major requirements. Contact the School for a copy of the guide.

Change(s): CJ 304 and AFRAS 380 added as upper division options to fulfill new race relations in the criminal justice system requirement. Major units changed from 36 to 39 upper division units. Additional upper division units changed from 12 to nine, with six units criminal justice-specific. Master plan revised from *Students should follow the Master Plan Advising Guide to ensure completion of major requirements. Contact the School of Public Affairs for a copy of the guide or download it at [https://spa.sdsu.edu/student\\_experience/advising](https://spa.sdsu.edu/student_experience/advising)* to what is presented above.

## ENVIRONMENTAL ENGINEERING

1. Change to description, staffing formula, abbreviated title, and units.

Environmental Engineering

*ENVIRONMENTAL ENGR SEM (C-2 two units) (C-5 one unit)*

ENV E 101. Environmental Engineering Seminar (3)

Two lectures and one hour of seminar.

Air and water pollution control, environmental justice, new technologies to protect the environment, remediation of contaminated sites and groundwater, solid waste treatment and disposal.

Description changed from *Breadth and depth of environmental engineering field through presentations by invited faculty, graduate students, guests and seminar enrollees;*

including individual library research with written and oral presentations on selected environmental topics to what is presented above. Satisfies Degree/Major. Staffing formula changed from *one unit of C-5* to what is presented above. Abbreviated title changed from *ENVIRON ENGR SEMINAR* to what is presented above. Units changed from *one* to *three*.

2. Change in program.

Environmental Engineering  
**Environmental Engineering Major**  
**With the B.S. Degree**  
**(Major Code: 09221) (SIMS Code: 442002)**

This program requires 120 units to include general education. In addition, the total number of units specified in each elective category represents a minimum requirement.

Paragraph 2 (*no change*)

**Preparation for the Major.** Environmental Engineering 101; Aerospace Engineering 280; Biology 204, 204L; Chemistry 130, 202 (or 200); Civil Engineering 121, 160 (or Statistics 250), 220, 225; Mathematics 150, 151, 252; Physics 195, 195L, 196. (48 units)

Paragraph 2 (*no change*)

**Graduation Writing Assessment Requirement.** (*no change*)

**Major.** (*no change*)

Change(s): Deleted three units of *Explorations in Social Sciences*. Deleted three units of *Explorations in Natural Sciences and Quantitative Reasoning*. Delete three units *Area E: Lifelong Learning and Self Development*. Increase the units of *Environmental Engineering 101* from *one* to *three* units.

## JOURNALISM AND MEDIA STUDIES

1. Change to prerequisites.

Journalism and Media Studies  
JMS 310W. Media Writing and Reporting (3)

Prerequisite(s): Journalism and Media Studies 220 with a grade of C (2.0) or better. Satisfies Graduation Writing Assessment Requirement for students who have completed 60 units; completed Writing Proficiency Assessment with a score of 8 or higher (or earned a C or higher in RWS 280, 281, or LING 281 if score on WPA was 6 or lower); and completed General Education requirements in Composition and Critical Thinking. **Proof of completion of prerequisites required:** Copy of transcript. Admission to a major in the School of Journalism and Media Studies.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major. Prerequisites changed from *Journalism and Media Studies 220 with a minimum grade of C (2.0)*. Satisfies Graduation Writing Assessment

*Requirement for students who have completed 60 units; completed Writing Proficiency Assessment with a score of 8 or higher (or earned a C or higher in RWS 280, 281, or LING 281 if score on WPA was 6 or lower); and completed General Education requirements in Composition and Critical Thinking. **Proof of completion of prerequisites required: Copy of transcript.** Admission to majors in advertising, journalism, and public relations to what is presented above.*

2. Change to needs met by course and title.

Journalism and Media Studies

*SOC MEDIA INFLUENCING*

JMS 418. Social Media Influencing and Community Leadership (3)

Prerequisite(s): Journalism and Media Studies 210 with a grade of C (2.0) or better. Admission to a major in the School of Journalism and Media Studies.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major. Title changed from *Social Media Community Leadership* to what is presented above.

3. Change to description, general text, needs met by course, and title.

Journalism and Media Studies

*WRITNG SPANISH-LANG MEDIA*

JMS 434. Writing for Spanish-Language and Latinx Media (3)

Prerequisite(s): Journalism and Media Studies 220 with a grade of C (2.0) or better. Admission to a major in the School of Journalism and Media Studies. For other majors, consent of instructor is required. Students must be able to read, speak, and write in both English and Spanish. See instructor to determine appropriate level of required fluency.

Writing techniques for Spanish-language and Latinx media in the United States and globally. Cultures, languages, and traditions of Spanish-language and Latinx media used for advertising, journalism, public relations, and other professional media fields.

General Text: This course provides students an introduction to writing techniques for Spanish-language and Latinx media in the U.S. and globally. The course will explore specific cases of how the media have changed in these communities and regions, as well as how they have adapted to the current digital and social media landscape. The cultures, languages, and traditions of Spanish-language and Latinx media will be examined. Students will benefit from course collaborations with Spanish-language media outlets, guided writing assignments, and guest speaker visits. This class will be conducted in a bilingual format, in which some readings and class lectures/labs will be conducted in Spanish and/or English. Students are expected to be bilingual, i.e., able to speak, read and write in English/Spanish for class assignments and activities.

Change(s): Description changed from *Writing techniques for Spanish-language and Latino media in the United States and globally. Cultures, languages, and traditions of Spanish-language and Latino media used for advertising, journalism, public relations,*

*and other professional media fields to what is presented above. General text changed from This course provides students an introduction to writing techniques for Spanish-language and Latino media in the U.S. and globally. The course will explore specific cases of how the media have changed in these communities and regions, as well as how they have adapted to the current digital and social media landscape. The cultures, languages, and traditions of Spanish-language and Latino media will be examined. Students will benefit from course collaborations with Spanish-language media outlets, guided writing assignments, and guest speaker visits. This class will be conducted in a bilingual format, in which some readings and class lectures/labs will be conducted in Spanish and/or English. Students are expected to be bilingual, i.e., able to speak, read and write in English/Spanish for class assignments and activities to what is presented above. Needs met by course changed from Satisfies Major to Does not fulfill a specific requirement. Title changed from Writing for Spanish-Language and Latino Media to what is presented above.*

4. Change to needs met by course and prerequisite(s).

Journalism and Media Studies

JMS 472. Media Technology and Society (3)

Prerequisite(s): Journalism and Media Studies 310W, 315, 408, 489 with a grade of C (2.0) or better in each. Admission to media studies emphasis, Major Code: 06010.

Remainder of description (*no change*)

Change(s): Needs met by course changed from *Satisfies Emphasis* to *Satisfies Degree/Major*. Prerequisite(s) changed from : *Journalism and Media Studies 315, 408, and 489. Admission to media studies emphasis, Major Code: 06021. An approved upper division writing course with a grade of C (2.0) or better or passing the Writing Placement Assessment with a score of 10* to what is presented above.

5. Change to needs met by course and prerequisite(s).

Journalism and Media Studies

JMS 481. Public Relations Media and Methods (3)

Prerequisite(s): Journalism and Media Studies 310W, 315, 480 with a grade of C (2.0) or better in each course. Admission to public relations emphasis, Major Code: 05992. **Proof of completion of prerequisites required:** Copy of transcript.

Remainder of description (*no change*)

Change(s): Satisfies Degree/Major. Prerequisites changed from *Journalism and Media Studies 310W and 480 with a grade of C (2.0) or better in each course. Admission to public relations emphasis, Major Code: 05992. Proof of completion of prerequisites required: Copy of transcript* to what is presented above.

6. Change to prerequisite(s).

Journalism and Media Studies

JMS 490. Internship (1-3)

Prerequisite(s): Journalism and Media Studies 310W and 315 with a grade of C (2.0) or better in each course.

Remainder of description (*no change*)

Change(s): *Journalism and Media Studies 420, 472, 481, or 562 with a grade of C (2.0) or better* to what is presented above.

12. Change in program.

Journalism and Media Studies

**Journalism Major with an Emphasis in Public Relations  
(Major Code: 05992) (SIMS Code: 661109)**

Paragraphs 1-4 (*no change*)

**Impacted Program.** The media studies emphasis is an impacted program. To be admitted to the media studies emphasis, students must meet the following criteria:

- a. Complete with a minimum grade point average of 3.0 and a grade of C or higher: Journalism and Media Studies 200, 210, 220, 250. These courses cannot be taken for Credit/No Credit (Cr/NC);
- b. Achieve a passing score on the Grammar, Spelling and Punctuation test by the third attempt;
- c. Complete a minimum of 45 baccalaureate level semester units. A maximum of 90 semester units is recommended. (A minimum of 60 units is required for all transfer applicants);
- d. Have a cumulative grade point average of 3.0 or higher.

Remainder (*no change*)

**Preparation for the Major.** Journalism and Media Studies 200, 210, 220, 250.

Some of these courses may also be used to fulfill lower division general education requirements. (12 units)

Remainder of description (*no change*)

**Language Requirement.** (*no change*)

**Graduation Writing Assessment Requirement.** (*no change*)

**Major.** A minimum of 36 upper division units to include Journalism and Media Studies 310W, 315, 480, 481, 489, 494, 581, 585; and 12 units of upper division coursework in either journalism and media studies or learning design and technology.

**Auxiliary Discipline.** (*no change*)

Change(s): *Economics 101* replaced with *Journalism and Media Studies 250* in Preparation for the Major. *Journalism and Media Studies 315* added to Major. *Three units selected from Journalism and Media Studies 300, 440, 460* removed from Major.

13. Change in program.

Journalism and Media Studies

**Journalism Major with an Emphasis in Media Studies  
(Major Code: 06010) (SIMS Code: 661110)**

Paragraphs 1-4 (*no change*)

**Impacted Program.** The media studies emphasis is an impacted program. To be admitted to the media studies emphasis, students must meet the following criteria:

- e. Complete with a minimum grade point average of 3.0 and a grade of C or higher: Journalism and Media Studies 200, 210, 220, 250. These courses cannot be taken for Credit/No Credit (Cr/NC);
- f. Achieve a passing score on the Grammar, Spelling and Punctuation test by the third attempt;
- g. Complete a minimum of 45 baccalaureate level semester units. A maximum of 90 semester units is recommended. (A minimum of 60 units is required for all transfer applicants);
- h. Have a cumulative grade point average of 3.0 or higher.

**Preparation for the Major.** Journalism and Media Studies 200, 210, 220, 250.

Some of these courses may also be used to fulfill lower division general education requirements. (12 units)

Remainder (*no change*)

**Language Requirement.** (*no change*)

**Graduation Writing Assessment Requirement.** (*no change*)

**Major.** A minimum of 36 upper division units to include Journalism and Media Studies 310W, 315, 408, 418, 472, 489, 492, 494; and 12 units of upper division coursework in Journalism and Media Studies or Learning Design and Technology.

**Auxiliary Discipline.** (*no change*)

Change(s): Major code changed from 06021 to 06010. *Economics 101* replaced with *Journalism and Media Studies 250* in Preparation for the Major. *Journalism and Media Studies 310W and 418* added to major requirements. *Three units selected from Journalism and Media Studies 418, 428, Learning Design and Technology 410, 432* removed from Major.

14. Change in program.

Journalism and Media Studies

**Journalism Major**

**With the B.A. Degree in Liberal Arts and Sciences**

**(Major Code: 06021) (SIMS Code: 664101)**

Paragraphs 1-5 (*no change*)

**Impacted Program.** The journalism major is designated as an impacted program. To be admitted to the journalism major, students must meet the following criteria:

- a. Complete with a minimum grade point average of 3.0 and a grade of C or higher: Journalism and Media Studies 200, 210, 220, 250. These courses cannot be taken for Credit/No Credit (Cr/NC);
- b. Achieve a passing score on the Grammar, Spelling and Punctuation test by the third attempt;
- c. Complete a minimum of 45 baccalaureate level semester units. A maximum of 90 semester units is recommended. (A minimum of 60 units is required for all transfer applicants.);



- d. Have a cumulative grade point average of 3.0 or higher.

Applicants not meeting the above minimum requirements may petition for admission to the journalism major. See the School of Journalism and Media Studies advising office for further information.

**Preparation for the Major.** Journalism and Media Studies 200, 210, 220, 250. Some of these courses may also be used to fulfill lower division general education requirements. (12 units)

Remainder *(no change)*

**Language Requirement.** *(no change)*

**Graduation Writing Assessment Requirement.** *(no change)*

**Major.** A minimum of 36 upper division units to include Journalism and Media Studies 300, 310W, 315, 420, 430, 489, 494, 550; and 12 units of upper division coursework in either journalism and media studies or learning design and technology.

**Auxiliary Discipline.** *(no change)*

Change(s): *Economics 101* replaced with *Journalism and Media Studies 250* in Preparation for the Major. In the Major, removed *six units selected from Journalism and Media Studies 425, 434, 435, 441, 445, 470, 490, 495, 529; and six units of upper division coursework in either journalism and media studies or learning design and technology* changed to *12 units of upper division coursework in either journalism and media studies or learning design and technology.*

15. Change in program.

Journalism and Media Studies

**Journalism Major with an Emphasis in Advertising**

**B.A. Degree in Liberal Arts and Sciences**

**(Major Code: 06041) (SIMS Code: 661108)**

Paragraphs 1-4 *(no change)*

**Impacted Program.** The advertising emphasis is designated as an impacted program. To be admitted to the advertising emphasis, students must meet the following criteria:

- a. Complete with a minimum grade point average of 3.0 and a grade of C or higher: Journalism and Media Studies 200, 210, 220, 250. These courses cannot be taken for Credit/No Credit (Cr/NC);
- b. Achieve a passing score on the Grammar, Spelling and Punctuation test by the third attempt;
- c. Complete a minimum of 45 baccalaureate level semester units. A maximum of 90 semester units is recommended. (A minimum of 60 units is required for all transfer applicants.);
- d. Have a cumulative grade point average of 3.0 or higher.

Applicants not meeting the above minimum requirements may petition for admission to the advertising emphasis. See the School of Journalism and Media Studies advising office for further information.

**Preparation for the Major.** Journalism and Media Studies 200, 210, 220, 250. Some of these courses may also be used to fulfill lower division general education requirements. (12 units)

These prerequisite courses may not be taken Cr/NC and must be completed with a minimum GPA of 3.0 and a grade of C or higher in each class.

**Language Requirement.** (no change)

**Graduation Writing Assessment Requirement.** (no change)

**Major.** A minimum of 36 upper division units to include Journalism and Media Studies 310W, 315, 460, 462, 494, 560, 562, 565; 12 units of upper division coursework in journalism and media studies and learning design and technology.

**Auxiliary Discipline.** (no change)

Change(s): *Economics 101* replaced with *Journalism and Media Studies 250* in Preparation for the Major. In the Major, *Journalism and Media Studies 315* added to the minimum 36 unit requirement. *Three units selected from Journalism and Media Studies 300, 440, 480; and (three units may be selected from)* removed.

## LESBIAN, GAY, BISEXUAL, AND TRANSGENDER STUDIES

1. New course.

Lesbian, Gay, Bisexual, and Transgender Studies

*QUEER OF COLOR STUDIES (C-2)*

LGBT 350. Queer of Color Studies (3) [GE]

Prerequisite(s): Upper division standing.

LGBTQ+ identities and color. Critiques of assumed whiteness. Intersections of difference based on ability, age, class, ethnicity, gender identity, nationality, race, and sexual orientation. Forms of knowledge, lives and histories, representations, self-expression, and stereotypes.

2. New course.

Lesbian, Gay, Bisexual, and Transgender Studies

*TRANS/GENDER STUDIES (C-2)*

LGBT 333. Trans/Gender Studies (3) [GE]

Diversity of queer/trans identities in history and now. Trans lives and cultures to include oppression and resistance. Cis privilege and alliances. Intersections of ability, age, class, color, and sexuality with trans identities.

3. Change in program.

Lesbian, Gay, Bisexual, and Transgender Studies

**Lesbian, Gay, Bisexual, Transgender, Queer, and Plus (LGBTQ+) Studies Major With the B.A. Degree in Liberal Arts and Sciences (Major Code: 22990) (SIMS Code: 119508)**

All candidates for a degree in liberal arts and sciences must complete the graduation requirements listed in the section of this catalog on “Graduation Requirements.” A minor is not required with this major.

**Preparation for the Major.** Lesbian, Gay, Bisexual, and Transgender Studies 101 and three units selected from History 125, Women’s Studies 101, 102. (6 units)

**Language Requirement.** *(no change)*

**Graduation Writing Assessment Requirement.** *(no change)*

**Major.** A minimum of 24 upper division units to include 12 units selected from Lesbian, Gay, Bisexual, and Transgender Studies 321, 322 [or Humanities 322], 333, 350, 499, 597, English 450, 550, Philosophy 544 [or Women’s Studies 544], Women’s Studies 533, 535. Three units from Lesbian, Gay, Bisexual, and Transgender Studies 598 or an international study abroad course with LGBTQ+ focus with consent of adviser. Nine elective units selected from the courses above or Africana Studies 455, Anthropology 333 [or Latin American Studies 333], 536, Chicana and Chicano Studies 340A, 340B, Classics 360, Communication 452, Education 484, General Studies 340, Gerontology 360, History 406, 583, Journalism and Media Studies 410, 452, Management 467, Psychology 355, 442, Public Health 353, Sociology 320, 420, 421, 455, Theatre 465, Television, Film and New Media 470, Women’s Studies 340, 355, 360, 382, 536, 590, or a 499 course with consent of adviser. Additional courses are acceptable with approval of the adviser. Note: courses outside Lesbian, Gay, Bisexual, and Transgender Studies may have additional prerequisites required or recommended.

Change(s): *Students majoring in lesbian, gay, bisexual, transgender, queer, and plus (LGBTQ+) studies must complete a minor in another field to be approved by the program director or major adviser of LGBTQ+ studies removed. A minor is not required with this major added. In preparation for the major, Lesbian, Gay, Bisexual, and Transgender Studies 101 and three units selected from History 125, Women’s Studies 101, 102 added. Major requirements changed from A minimum of 27 upper division units to include 15 units selected from Lesbian, Gay, Bisexual, and Transgender Studies 321, 322 [or Humanities 322]; History 406; English 450, 550, or Television, Film and New Media 470\*+; Lesbian, Gay, Bisexual, and Transgender Studies 598 or an international study abroad course\*; and 12 elective units selected from General Studies 340; History 583; Journalism and Media Studies 410+; Psychology 355; Sociology 320, 420; Women’s Studies 360, 535; or any department 499 course (with approval of major adviser). Additional courses are acceptable with approval of the adviser to what is presented above.*

4. Change in program.

Lesbian, Gay, Bisexual, and Transgender Studies

**Lesbian, Gay, Bisexual, Transgender, Queer, and Plus (LGBTQ+) Studies Minor (Minor Code: 22990) (SIMS Code: 119509)**

The interdisciplinary minor in lesbian, gay, bisexual, transgender, queer, and plus (LGBTQ+) studies consists of Lesbian, Gay, Bisexual, and Transgender Studies 101 and a minimum of 12 upper division units selected from Lesbian, Gay, Bisexual, and Transgender Studies 321, 322 [or Humanities 322], 333, 350, 597, 598, English 450, 550,

Philosophy 544 [or Women's Studies 544], Women's Studies 533, 535, or an international study abroad course with LGBTQ+ focus and with consent of adviser, or any department 499 or upper division course with appropriate content with consent of adviser. Additional courses are acceptable with consent of adviser.

Remainder of description (*no change*)

*Change(s): Dr. Esther D. Rothblum, Department of Women's Studies, is adviser for this minor. The interdisciplinary minor in lesbian, gay, bisexual, transgender, queer, and plus (LGBTQ+) studies consists of a minimum of 15 units to include Lesbian, Gay, Bisexual, and Transgender Studies 321, 322 [or Humanities 322], and nine units selected from Lesbian, Gay, Bisexual, and Transgender Studies 598, English 450, 550, General Studies 340, History 406, 583, Journalism and Media Studies 410\*, Psychology 355\*, Sociology 320\*, 420\*, Television, Film and New Media 470\*, Women's Studies 360, 535, or any department 499 or upper division course with appropriate content with approval of minor adviser. Additional courses are acceptable with approval of minor adviser. Courses in the minor may not be counted towards the major, but may be used to satisfy preparation for the major and general education requirements, if applicable. A minimum of six upper division units must be completed in residence at San Diego State University changed to what is presented above.*

## MATHEMATICS

1. New course.

Mathematics

*ELEM DIFF EQUATIONS (C-4)*

MATH 237. Elementary Differential Equations (3)

Prerequisite(s): Mathematics 151 and credit or concurrent registration in Mathematics 254 with a grade of C (2.0) or better in each course.

Solving of first-order differential equations, numerical solutions of differential equations, existence and uniqueness, two-dimensional systems of differential equations, homogeneous and non-homogeneous second order equations, Laplace transform methods, series solutions.

2. Course deactivation.

Mathematics

MATH 337. Elementary Differential Equations (3)

Prerequisite(s): Mathematics 254 or 342A with a grade of C or better.

Integration of first-order differential equations, initial and boundary value problems for second-order equations, series solutions and transform methods, regular singularities. **Proof of completion of prerequisites required for all upper division courses:** Copy of transcript.

Course Statement: Not open to students with a grade of C (2.0) or better in Aerospace Engineering 280.

3. Change in program.

Mathematics

**Mathematics Major with an Emphasis in Emphasis in Computational Science  
B.S. Degree in Applied Arts and Sciences  
(Major Code: 17031) (SIMS Code: 776322)**

Paragraph 1 (*no change*)

**Impacted Program.** Complete with a grade of C (2.0) or better: Mathematics 150, 151, 237, 245, 252, 254, Computer Science 150, 150L, 160, 160L, 210, and Statistics 250. These courses cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better.

**Preparation for the Major.** Mathematics 150, 151, 237, 245, 252, 254, Computer Science 150, 150L, 160, 160L, 210, Statistics 250. These courses must be completed with a grade of C (2.0) or better, and cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better. (32 units)

**Graduation Writing Assessment Requirement.** (*no change*)

**Major.** A minimum of 34 upper division units to include Mathematics 320, 330; 531 or 537 or 542; 340; 524 or 543; at least nine units selected from Computational Science 526, 536, Computer Science 503, 558, Mathematics 336, 525, 532, 537, 542, 543; three units of Mathematics 499 (Senior Project); and nine units of electives in computer science, mathematics, or statistics (approved by the applied mathematics adviser) excluding Mathematics 302, 303, 311, 312, 313, 315, 342A, 342B, 413, 414, 509. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser.

**Master Plan.** (*no change*)

Change(s): *Mathematics 237 added to Impacted Program and Preparation for the Major. The Major changed from A minimum of 39 upper division units to include Mathematics 320, 330, 337, 340; 524 or 543; Computer Science 310; at least nine units selected from Computational Science 526, 536, Computer Science 503, 558, Mathematics 336, 525, 532, 537, 542, 543; three units of Mathematics 499 (Senior Project – approved by the adviser); and nine units of electives in computer science, mathematics, or statistics (approved by the adviser) excluding Mathematics 302, 303, 312, 313, 342A, 342B, 413, 414, 509 to what is presented above.*

4. Change in program.

Mathematics

**Mathematics Major with an Emphasis in Emphasis in Applied Mathematics  
B.S. Degree in Applied Arts and Sciences  
(Major Code: 17031) (SIMS Code: 776313)**

Paragraphs 1-2 (*no change*)

**Impacted Program.** Complete with a grade of C (2.0) or better: Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, and one course selected from Computer Science 150, 200, Statistics 200. These courses cannot be taken for credit/no credit

(Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better.

**Preparation for the Major.** Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, and one course selected from Computer Science 150, 200, Statistics 200. These courses must be completed with a grade of C (2.0) or better, and cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better. (24-25 units)

**Graduation Writing Assessment Requirement.** *(no change)*

**Major.** A minimum of 36 upper division units to include Mathematics 320, 330; 531 or 537 or 542; 340; 524 or 543; 530 or 532; Statistics 350A or 550 or 551A; and 15 units of electives in mathematics or an area to which mathematics may be applied (approved by the applied mathematics adviser) excluding Mathematics 302, 303, 311, 312, 313, 315, 342A, 342B, 413, 414, 509. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser.

**Master Plan.** *(no change)*

**Auxiliary Area.** *(no change)*

Change(s): *Mathematics 237 added to Impacted Program and Preparation for the Major. The Major changed from A minimum of 36 upper division units to include Mathematics 320, 330, 337, 340; 524 or 543; 530 or 531 or 532; Statistics 350A or 550 or 551A; and 15 units of electives in mathematics or an area to which mathematics may be applied (approved by the applied mathematics adviser) excluding Mathematics 302, 303, 312, 313, 342A, 342B, 413, 414, 509. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser to what is presented above.*

5. Change in program.

Mathematics

**Mathematics Major with an Emphasis in Emphasis in Science**

**B.S. Degree in Applied Arts and Sciences**

**(Major Code: 17031) (SIMS Code: 776348)**

Paragraphs 1-2 *(no change)*

**Impacted Program.** Complete with a grade of C (2.0) or better: Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, and one course selected from Computer Science 150, 200, Statistics 200. These courses cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better.

**Preparation for the Major.** Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, and one course selected from Computer Science 150, 200, Statistics 200. These courses must be completed with a grade of C (2.0) or better, and cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better. (24-25 units)

**Graduation Writing Assessment Requirement.** *(no change)*

**Major.** A minimum of 36 upper division units to include Mathematics 330; 531 or 537 or 542; 340; 524 or 543; at least six units selected from Mathematics 320, 525;

530 or 532; 531, 537; 12 units from a science to which mathematics may be applied (these should be from a single science and must be approved by the B.S. adviser); and six units of electives in computer science, mathematics, or statistics excluding Mathematics 302, 303, 311, 312, 313, 315, 342A, 342B, 413, 414, 509. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser.

**Master Plan.** *(no change)*

Change(s): *Mathematics 237 added to Impacted Program and Preparation for the Major. The Major changed from A minimum of 36 upper division units to include Mathematics 330, 337, 340; 524 or 543; at least six units selected from Mathematics 320, 525; 530 or 532; 531, 537; 12 units from a science to which mathematics may be applied (these should be from a single science and must be approved by the B.S. adviser); and six units of electives in computer science, mathematics, or statistics excluding Mathematics 302, 303, 312, 313, 342A, 342B, 413, 414, 509. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser.*

6. Change in program.

Mathematics

**Mathematics Major with an Emphasis in Mathematics Education  
B.S. Degree in Applied Arts and Sciences  
(Major Code: 17031) (SIMS Code: 776335)**

Paragraphs 1-2 *(no change)*

**Impacted Program.** Complete with a grade of C (2.0) or better: Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, Teacher Education 211A, and one course selected from Computer Science 107, 200, Statistics 200. These courses cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better.

**Preparation for the Major.** Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, Teacher Education 211A, and one course selected from Computer Science 107, 200, or Statistics 200. These courses must be completed with a grade of C (2.0) or better, and cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be C+ (2.3) or better. (25-26 units)

**Graduation Writing Assessment Requirement.** *(no change)*

**Major.** A minimum of 37 upper division units in mathematics to include Mathematics 302, 303, 320, 330, 340, 341, 414, 508 or 510, 524 or 543, 530 or 531 or 537 or 542, Statistics 350A or 550 or 551A; and three units of electives in mathematics approved by the adviser for the major.

**Master Plan.** *(no change)*

**Auxiliary Area.** *(no change)*

Change(s): *Mathematics 237 added to Impacted Program and Preparation for the Major. The Major changed from A minimum of 37 upper division units in mathematics to include Mathematics 302, 303, 320, 330, 337, 340, 341, 414, 508 or 510, 524 or 543, 530 or 531 or 532, Statistics 350A or 550 or 551A; and three units of electives in mathematics approved by the adviser for the major to what is presented above.*

7. Change in program.

Mathematics

**Mathematics Major**

**B.A. Degree in Liberal Arts and Sciences**

**(Major Code: 17011) (SIMS Code: 776301)**

Paragraphs 1-2 (*no change*)

**Impacted Program.** Complete with a grade of C (2.0) or better: Mathematics 150, 151, 237, 245, 252, 254, Statistics 250, and one course selected from Computer Science 150, 200, Statistics 200. These courses cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better.

**Preparation for the Major.** Mathematics 150, 151, 245, 237, 252, 254, Statistics 250, and one course selected from Computer Science 150, 200, Statistics 200. These courses must be completed with a grade of C (2.0) or better, and cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better. (24-25 units)

**Language Requirement.** (*no change*)

**Graduation Writing Assessment Requirement.** (*no change*)

Major. A minimum of 30 upper division units selected with approval of the departmental adviser before starting upper division work to include Mathematics 320, 330; 531 or 537 or 542; 340, 524; one course selected from Mathematics 520, 530, 531, 537, 538, 542, 543, Statistics 551B; and 12 units of electives. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser.

**Master Plan.** (*no change*)

Change(s): *Mathematics 237 added to Impacted Program and Preparation for the Major. The major changed from A minimum of 30 upper division units selected with approval of the departmental adviser before starting upper division work to include Mathematics 320, 330, 337, 340, 524; one course selected from Mathematics 520, 530, 531, 537, 538, 542, 543, Statistics 551B; and 12 units of electives. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser to what is presented above.*

MUSIC

1. New course.

Music

*EXP MUS ENS (C-10)*

MUSIC 171. Experimental Music Ensemble (1)

Ensemble exploring diverse, under-recognized elements of music-making. Performance, integrating historical and interdisciplinary study. Applied musical research through exploratory listening and musical practices. Collaborative group composition.



2. Change to description and title.

Music

*MUSIC CULTURES OF WORLD*

MUSIC 345. Music Cultures of the World (3) [GE]

Art, folk, popular, and sacred music case studies drawn from Africa, Asia, Europe, Latin America, and the United States with attention to the relationship between culture, history, and music. Concert attendance required in Fall and Spring semesters.

Change(s): Description changed from *Folk, ancient, and modern art music of world cultures, including traditional music of Africa, Asia, Latin America, the United States and Europe, as they relate to contemporary culture. Concert attendance required. Not open to music majors except those completing Global Composition, Music Education, or Professional Studies Track 2-General* to what is presented above. Title changed from *World Music in Contemporary Life* to what is presented above.

3. New course.

Music

*EXP MUS ENS (C-10)*

MUSIC 371. Experimental Music Ensemble (1)

Ensemble exploring diverse, under-recognized elements of music-making. Performance, integrating historical and interdisciplinary study. Applied musical research through exploratory listening and musical practices. Collaborative group composition.

POLITICAL SCIENCE

1. Change to title.

Political Science

*INTRO TO GLOBAL POLITICS*

POL S 104. Introduction to Global Politics (3) [GE]

Remainder of description (*no change*)

Change(s): Title changed from *Global Politics* to what is presented above.

2. Change to general text.

Political Science

POL S 300. Islam and Politics (3) [GE]

Concepts, interactions, and theories between Islamic actors and political institutions. Islam-state relations.

General Text: Comparative Politics.

Change(s): *General text: Comparative Politics* added.

3. Change to description and title.

Political Science

*EUROPEAN POLITICS*

POL S 356. European Politics (3) [GE]

Politics of the European Union and Western Europe. Contemporary regional challenges to include Euroskepticism, immigration, independence, and populism.

Change(s): Description updated from *The politics and government systems of Europe, addressing differences and similarities across the advanced industrial countries of the region and the evolving role of the European Union* to what is presented above. Title updated from *Politics of Europe* to what is presented above.

4. Change to general text.

Political Science

POL S 357. British Politics (3)

History and institutions of the British political system. The monarchy, nationalism and devolution, political parties, relationships with the European Union and Ireland, and the Westminster model of politics.

General Text: Comparative Politics.

Change(s): General text: *Comparative Politics* added.

5. *Change to description and title.*

Political Science

*GOVT POL RUSSIA & EURASIA*

POL S 359. Government and Politics in Russia and Eurasia (3) [GE]

Transformations of economic, political, and social systems in Russia and the republics of the former Soviet Union. Eurasian union, its implications and prospects for global and regional politics.

Change(s): Description updated from *Contemporary developments in Russia and states of former Soviet Union. Focus on Gorbachev era and post-Gorbachev transformations of political, economic, and social systems* to what is presented above. Title updated from *Government and Politics of Russia and the Commonwealth* to what is presented above.

6. *Change to description and prerequisite*

Political Science

POL S 361. Governments and Politics of the Developing Areas (3) [GE]

Relationship between economic development and socio-political change in developing countries. Models of development. Role of domestic politics and international institutions.

Change(s): Description updated from *Internal political systems, governmental structures and the foreign policies of developing nations* to what is presented above. Political Science 101 or 103 removed as prerequisite.

7. *Change to description*

Political Science

POL S 362. Governments and Politics of East Asia (3) [GE]

Change and continuity in foreign policies and internal political institutions of China, Japan, North and South Korea, and Taiwan.

Change(s): Description updated from *The internal political structure and foreign policies of China, Japan, and Korea* to what is presented above.

8. *Change to description*

Political Science

POL S 363. Governments and Politics of the Middle East (3) [GE]

Contemporary states in the Middle East. Authoritarianism in the region. Relations between Middle Eastern and Western countries.

Change(s): Description updated from *The governmental and political structures of representative states in the Middle East including Turkey, Israel, and the Arab states* to what is presented above.

9. *Change to description.*

Political Science

POL S 364. Political Change in Modern Africa (3)

Dynamics of political and social change in modern Africa, to include gender issues, e.g. LGBTQ and women's rights.

Change(s): Description changed from *Dynamics of social and political change in modern Africa* to what is presented above.

10. *Change to description*

Political Science

POL S 365. Chinese Politics (3) [GE]

In-depth study of contemporary politics, economic development, and political history of China and Taiwan. External relationship between China, Taiwan, and the U.S.

Change(s): Description changed from *Government and political changes in China and Taiwan since 1949; state-society relations and economic development in China and Taiwan; relationship between mainland China, Taiwan, and world powers* to what is presented above.

11. Change to general text and prerequisites.

Political Science

POL S 370. Political Violence (3) [GE]

Underlying conditions, expressions, and consequences of violence within political systems.

General Text: International Politics

Change(s): General text: *International Politics* added. Political Science 101, 102, or 103 removed as prerequisite.

12. Change to description, needs met by course, and title.

Political Science

*GLOBAL POLITICS*

POL S 375. Global Politics (3)

Critical and prevailing theories of international relations; innovation, power politics, social resistance; international organizations and law; economy and the environment, global politics; contemporary and historical case studies.

Change(s): Description changed from *Dynamics of conflict and cooperation among national, international and transnational actors; contributing political, economic, and social factors* to what is presented above. Satisfies Degree/Major/Minor. Title changed from *International Relations* to what is presented above.

13. Change to description and needs met by course.

Political Science

POL S 380. Human Rights in a Global Perspective (3)

Critical and prevailing theories of human rights; historical developments; global and regional human rights organizations and treaties; contemporary and historical controversies on human rights.

Change(s): Description changed from *Historical development of international human rights standards and global, political, moral, and legal debates concerning when and how to implement human rights standards* to what is presented above. Satisfies Degree/Major/Minor.

14. Change to description and needs met by course.

Political Science

POL S 479. National Security Policy (3)

Theoretical approaches to the politics, practice, and study of national security; major historical developments in US national security strategy; contemporary challenges to security.

Change(s): Description changed from *Objectives, instruments and consequences of national security policy* to what is presented above. Satisfies Degree/Major/Minor.

15. Change to description and needs met by course.

Political Science

POL S 485. Politics of Globalization (3)

Prerequisite(s): Political Science 103 or six units of political science.

Relationship of culture and politics to the global economy; contemporary controversies; critical and prevailing theories of global capitalism; divisions between rich and poor nations; leading global economic institutions; major historical developments.

Change(s): Description changed from *Ideas and practice of globalization since end of World War II, focusing on political debate around contemporary changes in trade, production, and global social relations, and on impact of globalization on political institutions such as state, civil society, social movements, and democracy* to what is presented above. Satisfies Degree/Major/Minor.

16. Change to description, needs met by course, and prerequisite(s).

Political Science

POL S 495. Internship in Local Politics (3)

Prerequisite(s): Limited to junior and senior political science majors and three upper division units within the American politics field.

Juniors and Seniors in the major choose internships within San Diego County in government agencies, offices of elected officials, or others approved by instructor. Requires 80 hours of fieldwork and periodic analytical essays.

Change(s): Description changed from *Seniors in the major choose internships within San Diego County in government agencies, offices of elected officials, or others approved by instructor. Requires 80 hours of fieldwork and periodic analytical essays* to what is presented above. Satisfies Degree/Major. Prerequisites changed from *Limited to senior political science majors and three upper division units within Field II* to what is presented above.

17. Change in program.

Political Science

**Human Rights Certificate  
(SIMS Code: 115527)**

Paragraph 1 (*no change*)

The certificate requires 15 units to include Political Science 380 and 12 units selected from Africana Studies 322, 380, 422, Chicana and Chicano Studies 405, European Studies 440, Geography 440 [or Political Science 440], History 404, 440, 557, International Security and Conflict Resolution 324, Latin American Studies 350, 430 [or Political

Science 430], Lesbian, Gay, Bisexual, and Transgender Studies 321, Philosophy 340, 344, 510, 512, Political Science 104, 347B, Sociology 355, 531, Women's Studies 520, 530. Students must obtain a grade of C (2.0) or better in each of the certificate courses. Courses taken for a major or minor may apply to the certificate. Students may obtain the Certificate in Human Rights without majoring in political science or another major in the College of Arts and Letters. Contact the Department of Political Science for additional information.

Change(s): Added *History 404 and Sociology 531* as additional elective courses for student choice and flexibility.

18. Change in program.

Political Science

**Political Science Major**

**B.A. Degree in Liberal Arts and Sciences**

**(Major Code: 22071) (SIMS Code: 115501)**

Paragraphs 1-2 (*no change*)

**Preparation for the Major.** (*no change*)

**Language Requirement.** (*no change*)

**Graduation Writing Assessment Requirement.** (*no change*)

**International Experience.** (*no change*)

**Major.** A minimum of 30 upper division units to include 3 units in each of the four subfields, Political Theory, American Politics, Comparative Politics, and International Politics (12 units total); an additional 15 units from any upper-division political science courses (except 390W) of which up to six units may be taken from Africana Studies 321, 322, American Indian Studies 485, and Women's Studies 375; and one 3-unit capstone requirement, fulfilled by Political Science 495, 497B, 498, or any 500-level political science course.

**Political Theory:** Political Science 301A, 301B, 302, 305, 406, 507, 510

**American Politics:** Political Science 320, 321, 322, 331 [or American Indian Studies 331], 333, 334 [or Sustainability 334], 335, 336, 338, 346, 347A, 347B, 348, 422, 425, 426, 428, 430, 435, 436, 440 [or Geography 440], 531, 533, 535, 541.

**Comparative Politics:** Political Science 300, 356, 357, 359, 361, 362, 363, 364, 365, 366, 530, 555, 560, 562, 564, 565, 566, 567, 568.

**International Politics:** Political Science 370, 375, 380, 393, 478, 479, 482, 485, 575, 577.

Change(s): Field names modified to only have names rather than names and field numbers.

19. Change in program.

Political Science

**Political Science Minor**

**(SIMS Code: 115501)**

The minor in political science consists of a minimum of 21 units in political science to include Political Science 101, 102, and either 103 or 104. Twelve of the 21 units must be in upper division courses and at least nine of these units must be selected from one of the following subject matter areas (A or B or C) as listed in the major.

- a. Political Theory
- b. American Politics
- c. Comparative Politics and International Politics

**International Experience.** (*no change*)

Remainder (*no change*)

Change(s): Field names modified to just have names rather than names and numbers.

## PORTUGUESE

1. Change in program.

Portuguese

**Portuguese and Brazilian Language and Cultures Minor  
(Minor Code: 11079) (SIMS Code: 115702)**

The minor in Portuguese and Brazilian Language and Cultures consists of a minimum of 15 units, nine of which must be approved upper division courses taught in Portuguese. Any course taught in English needs department approval to apply to the minor requirements.

The following courses are acceptable for the Portuguese and Brazilian Language and Cultures minor: Portuguese 101, 102, 110, 203, 204, 299, 306 [or Latin American Studies 306], 307 [or Latin American Studies 307], 311, 312, 443, 499, 530, 535, 540.

Paragraph 3 (*no change*)

Change(s): The title of the program changed from *Portuguese and Brazilian Studies* to what is presented above.

## RELIGIOUS STUDIES

1. Change to prerequisites

Religious Studies

REL S 338. Buddhism (3) [GE]

Life and teachings of Buddha, foundational concepts of Theravada, Mahayana, and Vajrayana Buddhism. Buddhist psychology and soteriology, meditative techniques, ethical issues; contemporary Buddhism, particularly in America.

Change(s): *Three units of religious studies* removed from prerequisites.

## STATISTICS

1. Change in program.

Statistics

**Statistics Minor**

**(SIMS Code: 776369)**

The minor in statistics consists of a minimum of 15 units in statistics to include Statistics 250 (or equivalent), 350A, 350B, and six units of upper division electives in statistics. For Statistics 550 and 551A, students must satisfy lower division calculus and linear algebra prerequisites (Mathematics 151, 252, and 254 as appropriate).

Remainder (*no change*)

Change(s): Statistics 410 removed.

TEACHER EDUCATION

1. Change to description, GE fulfillment, number, prerequisites, and course statement.

Teacher Education

TE 472. Ethnic Identity Development in Education (3) [GE]

Prerequisite(s): Upper division standing.

Ethnic and racial identity exploration and development through curriculum for improving academic achievement of students in K-12 schools. Ethnic and racial socialization of children and identity exploration of American ethnic groups.

Course Statement: Formerly numbered Teacher Education 512.

Change(s): Description updated from *Racial and ethnic identity development through curriculum for improving academic achievement of students in K-12 schools. Racial and ethnic socialization of children and identity development of American ethnic groups.* to what is presented above. Course added to Explorations - Social & Behavioral Sciences GE area. Number changed from 512 to 472. Prerequisite updated from *Consent of instructor* to *upper division standing*. Formerly numbered text added to course statement.

Report prepared and respectfully submitted by Curriculum Services on behalf of the Undergraduate Curriculum Committee.



TO: Senate / SEC 6.5  
FROM: David Marx, Chair, Committee on Committees and Elections  
DATE: February 2, 2021  
RE: Informational, change in search committee for Vice Provost for Academic Affairs

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During the November 10<sup>th</sup>, 2020 senate meeting Dr. Randolph Reinholz (PSFA, Professor, Theatre, Television, and Film) was elected, by acclamation, to serve on the search committee for Vice Provost for Academic Affairs. I have been informed recently that he has decided to decline the appointment due to other competing university-level commitments. In response to this vacancy Provost Ochoa has selected a replacement, Dr. Niyi Coker (PSFA, Director of the School of Theatre, Television, and Film) to serve as an appointed member on the search committee. Dr. Coker has accepted this appointment. All other search committee members have accepted their appointments.