1. Agenda (Wheeler)

2. Minutes (Wheeler)

3. Unfinished Business (Wheeler)
   3.1. 2019-2020 Annual Agenda for the Senate (Wheeler)
   3.2. HIST135 (General Education Curriculum and Assessment Committee)

4. Senate Executive Committee Report (Butler-Byrd)

5. Elections (Vaughn)
   5.1. Appointments to search committees for AVP of Enrollment Management and Director of CTL
   5.2. Search Committee for Dean of Arts and Letters
   5.3. Search Committee for Dean of Library and Information Access

6. Actions (Wheeler)
   6.1. Revision to the Senate Constitution Section 4.112 (Ponomarenko) (Second Reading)
   6.2. Motion to change the Senate Bylaws, Section 3.241 (Ponomarenko) (First Reading)
   6.3. Revision to voting membership on the Staff Affairs Committee (Bertram)
   6.4. Graduate Council (Bohonak) – Time Certain 3:0
   6.5. Committee on Committee and Elections (Vaughn)

7. Academic Affairs (Ochoa) – Time Certain 2:30pm

8. New Business: Consent Calendar (Committee Reports)
   8.1. Committee on Committees and Elections (Vaughn)
   8.2. General Education Curriculum and Assessment (Wilson)
   8.3. Committee on Academic Resources and Planning (Reed and Ryan)
   8.4. Committee on Diversity, Equity and Inclusion (Rhodes)
   8.5. Graduate Council (Bohonak)
8.6. Undergraduate Council (Shultz)
8.7. Undergraduate Curriculum Committee (Verity)
8.8. University Relations and Development (Vargas)
8.9. California Faculty Association (Mattingly)

9. Committee of the Whole (Wheeler)

9.1. Campus Budget Priorities

10. Announcements (Wheeler)
SDSU Senate Annual Agenda

1. Engage in the Strategic Planning Process
2. Strengthen the Senate’s power to adequately represent the various campus constituencies
3. Develop policy to guide the campus implementation of the principles of shared governance
4. Help the campus successfully restructure itself (administratively, technologically, culturally)
TO: Senate Executive Committee / Senate

FROM: Heather Canary and Gregory Wilson
Co-Chairs, General Education Curriculum and Assessment Committee

DATE: September 11, 2019

RE: GENERAL EDUCATION PROGRAM

Action

II. FOUNDATIONS OF LEARNING

C. Arts and Humanities

1. Arts: Art, Cinema, Dance, Music, and Theatre

New course [resubmission]
HIST 135. Film as the Past (3) [GE]
Critical analysis of films about history as an art form. Accuracy, aesthetics, authenticity, authorial intentions, collective memory, controversial and uncomfortable topics, empathy, national myths, point of view, popular and critical reception, and revisionism in films about history.

IV. EXPLORATIONS OF HUMAN EXPERIENCE

B. Social and Behavioral Sciences

Change to course abbreviation
P H 330. Plagues Through the Ages (3) [GE]
Political, economic, religious, and cultural effects of disease. Significant role epidemics and disease have played in development of civilizations from beginning of recorded history to present. (Formerly numbered General Studies 330.)

Report prepared and respectfully submitted by Curriculum Services on behalf of the General Education Curriculum and Assessment Committee.
<table>
<thead>
<tr>
<th>Committee</th>
<th>Date</th>
<th>Item</th>
<th>Referred by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constitution and Bylaws</td>
<td>May 2018*&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Review Senate committee structure, specifically: duties, roles, and responsibilities of committees, length of appointment of members and chairs, and related issues. Are all the standing &amp; other committees needed?</td>
<td>SEC</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>September 2018</td>
<td>Revise the language associated with elections -- specifically, search and review committees (UNIVERSITY POLICIES --&gt;Administration--&gt; Search Committees for University Administrators) -- to ensure clarity about those on which Deans, Associate Deans and Assistant Deans can or should serve in a faculty capacity. Rationale for CBL: Currently, Senate Officers and others must painfully wend their way through a slew of reverse references to figure this out.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>September 2018</td>
<td>Revise the language associated with elections -- specifically: search and review committees (UNIVERSITY POLICIES --&gt;Administration--&gt; Search Committee for University Administrators) -- to ensure clarity about where representation from different Colleges is required. Rationale for CBL: To exemplify, the Policy File section covering Presidential searches specifically notes that faculty representatives must be from different Colleges; however, the reverse reference dance (noted above) is required when determining outside faculty members on College of Extended Studies and Library Dean Search Committees (where multiple faculty are elected).</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>November 2018</td>
<td>Examine how the Senate membership would change following an increase in representation for each college (including SDSU Imperial Valley, Library and SSPAR) from 8 to 9 percent of full-time T/TT faculty. Examine potential mixed models of representation.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Academic Resources and Planning</td>
<td>November 2018</td>
<td>Explore potential sources of funding for more faculty lines to replace the Student Success Fee after it expires.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Faculty Affairs</td>
<td>November 2018</td>
<td>Investigate challenges in hiring and retention of faculty.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>April 2019</td>
<td>Research the viability of adding an additional Senate seat for non-MPP staff, open to those who are non-represented. Rationale for CBL: The current membership policy, based on an indefensible and arbitrary criterion, excludes non-represented staff from participating in shared governance.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>September 2019</td>
<td>Research the viability of additional Senate seat(s) for Graduate Student representation on the university Senate.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>September 2019</td>
<td>Research the viability of alumnae representation on the University Senate.</td>
<td>Senate Officers</td>
</tr>
<tr>
<td>Constitution and Bylaws</td>
<td>September 2019</td>
<td>Research the proposed addition of a treasurer to the Senate Officers.</td>
<td>Senate Officers</td>
</tr>
</tbody>
</table>

* = extended timeframe for completion
The Committee on Committees and Elections moves approval of the following appointments, reappointments, or replacements to committees (marked with an asterisk) along with open spots which need to be filled in each committee. Additionally, we provide a list of existing committee chairs and a list of committees for which no roster information could be found. Finally, we end this report with a list of Senators who are not currently serving on a committee. We expect to provide a more finalized report in once vacancies have been filled.

NEW COMMITTEE CHAIRS

Academic Resources and Planning
Co-Chairs: Mark Reed & Sherry Ryan

GE Curriculum and Assessment
Co-Chairs: Gregory Wilson & Heather Canary

EXISTING COMMITTEE CHAIRS

Academic Policy and Planning
Chair: DJ Hopkins

Bookstore Advisory
Chair: (no current chair)

Campus Development
Chair: Laura Shinn

Committee on Committees
Chair: Allison Vaughn

Constitution and Bylaws
Chair: Tod Reeder

Copy Rights and Patents
Chair: Douglas Grotjahn

Disability Access and Compliance
Co-Chairs: Jessica Rentto & Pamela Starr
Diversity, Equity, and Inclusion
Chair: Gloria Rhodes

Environment and Safety
Chair: Sridhar Seshagiri

Extended Studies Advisory Council
Chair: David Ely

Faculty Advancement
Chair: Paula Peter

Faculty Honors and Awards
Chair: Matt Anderson

Fee Advisory Committee (Campus)
Chair: David Ely

Freedom of Expression
Chair: Mark Freeman

Graduate Council
Chair: Stephen Welter

Honorary Degrees
Chair: Provost Ochoa

Instructional and Information Technology
Chair: Mark Siprut

Intercollegiate Athletic Council
Chair: John Puttman

Liberal Studies
Chair: Virginia Loh-Hagan

Library and Information Access
Chair: Edward Beasley

SDSU Press Editorial Board
Chair: William Anthony Nericcio

Staff Affairs
Chair: Debra Bertram

Student Grievance
Chair: Estralita Martin

Student Learning Outcomes
Chair: Stephen Schellenberg

Student Media Advisory
Chair: Giselle Luevanos

Sustainability
Chair: Keven Jeffrey

Undergraduate Council
Chair: Norah Shultz

Undergraduate Curriculum
Chair: Larry Verity

COMMITTEES WITH NO ROSTER INFORMATION

International Programs

Scholarships Committee

Student Affairs

Student Health Advisory Board

Teacher Education Advisory Council

FACULTY/STAFF/STUDENT APPOINTMENTS AND REAPPOINTMENTS & NEED
*reappointments or new appointments

Academic Policy and Planning
NEED 2 students AS

Academic Resources and Planning
*Scott George (student) new term May 2020
NEED 1 student

Bookstore Advisory
NEED 1 student

Campus Development
NEED 1 faculty
NEED 2 students (1 AS President or designee)

Committee on Committees (roster full)

Constitution and Bylaws
NEED 1 student

Copyrights and Patents
(Pending)

Disability Access and Compliance
NEED 2 students (1 undergrad and 1 grad)

Diversity, Equity, and Inclusion
NEED 1 FCB faculty
NEED 1 ENG faculty
NEED 1 Senate chair (or designee)
NEED 1 student (from AS)

Environment and Safety
NEED 2 students

Extended Studies Advisory Council
NEED 1 EDU faculty

Faculty Affairs (roster full)

Faculty Honors and Awards
NEED 1 student
NEED 1 former recipient of alumni award
NEED 1 alumnus

Fee Advisory Committee (Campus)
*Mark Bruno (Staff) new term May 2022
*Christian Onwuka (AS President) new term May 2020
*Kyla Blaylock (student) new term May 2020
*Angie Espinoza (student) new term May 2020
*Dustin Adkins (student) new term May 2020
*George Scott (student) new term May 2020
*Sophie Chance (student) new term May 2020
*CJ Holt (student) new term May 2020

Freedom of Expression
*George Scott (student) new term May 2020
*Kyla Blaylock (student) new term May 2020
*Tiana Loving (student) new term May 2020
NEED 2 students (AS President or designee + 1 other)

**GE Curriculum and Assessment**
*Michelle Dean (FCB) term renewed May 2020*
NEED 1 IVC faculty
NEED 2 (undergrad) students

**Graduate Council**
*Liz Reed (HHS) new term May 2022*
NEED 2 (grad) students

**Honorary Degrees (roster full)**

**Instructional and Information Technology**
*Mark Siprut (PSFA) term renewed May 2022*
NEED 1 student

**Intercollegiate Athletic Council**
*Kevin Melara (staff) new term May 2022*
NEED 2 students: 1 from Student Athlete Advisory Council and 1 AS President appointee

**Liberal Studies (roster full)**

**Library and Information Access**
*Leslie Seiters (PSFA) term renewed May 2022*
*Marva Cappello (EDU) new term May 2022*
*David Fobes (PSFA) new term May 2022*
NEED 2 students

**SDSU Press Editorial Board**
(pending)

**Staff Affairs**
NEED 2 faculty (1 must be a Senator)
NEED 1 student

**Student Grievance**
*Bek Kamolov (student) new term May 2020*
*Ysabell Uriarte (student) new term May 2020*
NEED 1 full-time administrator
NEED 1 full-time faculty
NEED 6 students

**Student Learning Outcomes**
NEED 1 A&L faculty
NEED 1 FCB faculty
NEED 2 students

Student Media Advisory
NEED 2 faculty (1 JMS and 1 open)
NEED 1 AS President or designee
NEED 1 AS VP of Finance or designee
NEED 1 University president designee
NEED 4 students (AS appointed)

Sustainability
*Gener Abdon (student) new term May 2020
NEED 1 student

Undergraduate Council
*Karey Sabol (A&L) new term May 2022
*Kyla Blaylock (student) new term May 2020
*Stephanie Estrada (student) new term May 2020

Undergraduate Curriculum
NEED 1 A&L faculty
NEED 1 FCB faculty
NEED 1 EDU faculty
NEED 2 students

University Research Council
NEED 1 EDU faculty
NEED 1 ENG faculty
NEED 1 PSFA faculty

*reappointments or new appointments

Senators not currently represented on a committee:
A&L
Angelo Corlett
Kate Swanson

EDU
Regina Brandon

HHS
Philip Greiner

SCI
Byron Purse (sabbatical F 19)

Coaches
Carin Crawford

Lecturers
Kathleen Czech (PSFA)
Narelle Mackenzie (FCB)
Corinne McDaniels-Davidson (HHS)
Ian Ruston (A&L)
Robert Showghi (FCB)
Motion: That the Senate revise Section 4.112 of the Constitution to read:

Professor Senators shall be apportioned annually as follows: each major academic unit (as defined in the Bylaws) shall elect the number of Senators equivalent to nine percent (9%), rounded up to the nearest integer, of the tenured/tenure track full time equivalent faculty positions (FTEF) assigned to that unit. This method of apportionment shall always yield at least one Senator for each major academic unit.

Rationale:

Section 4.112 of the Constitution currently states:

Professor Senators shall be apportioned annually as follows: each major academic unit (as defined in the Bylaws) shall elect the number of Senators equivalent to eight percent (8%) of the tenured/tenure track full time equivalent faculty positions (FTEF) assigned to that unit. This method of apportionment shall always yield at least one Senator for each major academic unit.

In its meeting on February 5, 2019, the Senate approved two revisions to its Bylaws (1.0 Definitions -> 1.4 Ex-officio Members of the Senate), and two revisions to its Constitution (4.0 Membership and Electorate -> 4.12 Lecturers, 4.14 Staff). These revisions were approved by the University President, and the Constitutional changes approved by a majority vote of probationary and tenured faculty.

The effect of these revisions was to increase Senate membership by twelve members, none of whom are Professor Senators (as defined in Constitution 4.0 Membership and Electorate -> 4.11 Professors). The body of Professor Senators has consequently fallen to 61% of the Senate membership, from approximately two-thirds.

To restore the diminished Professor Senator voice in the Senate, this proposal, if fully implemented, will immediately add approximately 11 Professor Senators, raising their percentage in the Senate to 64.8%.

A second issue to be addressed is the ambiguous wording presently appearing in the Constitution (4.0 Membership and Electorate -> 4.11 Professors). The ambiguity lies in interpreting "number of Senators equivalent to eight percent", when this value is not an integer. Lacking a policy, those implementing this rule have been forced to use their judgment in how to round nonintegral numbers. The proposed language resolves this ambiguity in favor of more, rather than less, Senate representation.
In order to clarify the membership of the Staff Affairs Committee and accurately convey the functions of both the Staff Affairs Committee and Staff Honors and Awards Subcommittees, The Staff Affairs Committee requests the following revisions to the Staff Affairs Committee section of the Policy File.

**Current:**

1.0 Membership (14): 11 staff members from throughout the university, to include as ex-officio voting, the staff senator who serves on the Senate Executive Committee. The 11 staff membership positions will be open to all staff employment units. The committee will also have two faculty members, one of which shall be a senator, and a student representative appointed by Associated Students. Staff representatives serving on Senate and Senate Appointed committees shall The committee chair will be nominated for approval by the Senate in the month of April from among the 11 staff members on the committee.

3.0 Functions: The Committee (a) shall appoint staff to fill vacancies to Senate committees by making recommendations to the Senate Committee on Committees and Elections in accordance with the Senate Policy File; and shall appoint staff to fill vacancies to non-Senate committees by campus-wide announcement and simple majority vote of the committee; (b) shall announce vacancies campus wide and elect by simple majority of the Committee staff appointments to staff Senator positions upon vacancies related to resignations; (c) shall consider only those matters related to the Senate; and (d) shall consider other issues at the direction of the Senate Chair, Senate Executive Committee or by the Senate.

**Proposed:**

1.0 Membership (30): The Staff Affairs Committee shall consist of 16 ex officio members and 14 appointed members.

1.1 Ex officio: Staff representatives to the following Senate and Senate Appointed Committees (a) Academic Resources and Planning, (b) Constitution and Bylaws, (c) Diversity, Equity & Inclusion, (d) Senate Executive, (e) Associated Students Facilities, (f) Bookstore Advisory, (g) Campus Development, (h) Campus Fee Advisory, (i) Disability Access and Compliance, (j) Environment and Safety, (k) Freedom of Expression, (l) Instructional and Information Technology, (m) Intercollegiate Athletic Council, (n) Student Grievance, (o) Student Media Advisory, (p) Sustainability
1.2 Appointed: 11 staff members from throughout the university, to include as ex-officio voting, the staff senator who serves on the Senate Executive Committee. The 11 staff membership positions will be open to all staff employment units. The committee will also have two faculty members, one of which shall be a senator, and a student representative appointed by Associated Students. Staff representatives serving on Senate and Senate Appointed committees shall The committee chair will be nominated for approval by the Senate in the month of April from among the 11 staff members on the committee.

3.0 Functions: The Committee (a) shall appoint staff to fill vacancies to Senate committees by making recommendations to the Senate Committee on Committees and Elections in accordance with the Senate Policy File; and shall appoint staff to fill vacancies to non-Senate committees by campus-wide announcement and simple majority vote of the committee; (b) shall annually announce vacancies campus wide and elect by simple majority of the Committee staff appointments; (c) shall temporarily fill vacancies due to resignations (d) shall maintain ranked list of staff Senator election results to fill staff Senator positions upon vacancies related to resignations; (d) shall consider only those matters related to the Senate; and (e) shall consider other issues at the direction of the Senate Chair, Senate Executive Committee or by the Senate.
To: Senate Executive Committee/Senate

From: Graduate Council

Date: September 5, 2019

Re: 2020-2021 Graduate Bulletin

ACTION (4A-09-19)

NURSING

1. Deactivation of subprograms.

   Nursing
   Specific Requirements for the Master of Science Degree (Major Code: 12032)
   Community Health Nursing Concentration
   (SIMS Code: 554621)
   Specialization in School Nursing
   (SIMS Code: 554633)
   Women’s Health and Midwifery Concentration
   (SIMS Code: 554622)
   Specialization as a Nurse-Midwife
   (SIMS Code: 554651)
   Specialization as a Nurse-Midwife and Women’s Health Nurse Practitioner
   (SIMS Code: 554652)
   Specialization as a Women’s Health Nurse Practitioner
   (SIMS Code: 554653)
   Specialization in Acute/Critical Care Nursing
   (Clinical Nurse Specialist and Nurse Educator Preparation)
   (SIMS Code: 554635)

2. Deactivation of certificate.

   Nursing
   Nursing Education Certificate
   (SIMS Code: 554681)

Report prepared and respectfully submitted by Curriculum Services on behalf of the Graduate Curriculum Committee.
At its first meeting of the year, the AP&P met to address old business and new. We welcomed a new committee member, Provost Ochoa. We are working with CCE Chair Allison Vaughn to provide committee members from Education, IVC, and Associated Students. We elected Norah Shultz and Pamela Lach to serve jointly as Secretary for the year; they will be sharing responsibilities for the minutes.

We reviewed four proposals for new degree programs or emphases, approving two; the committee asked me as chair to follow up with the originators of the other two proposals for clarifications.

The majority of our time was spent discussing the proposed Academic Year (AY) Agenda for the committee. Much was decided, but enough changes were made to the draft that we did not vote on the proposed agenda. I will update and submit a new draft for approval at our next meeting. When approved, the AY Agenda will be shared with the Senate. In the meantime, this report and the agenda for the meeting are submitted. Minutes from this meeting will be submitted next month following approval at the September meeting.

As an FYI, the dates for AP&P meetings this year are as follows.

FALL 2019
August 27
September 24
October 22
November 26

SPRING 2020
January 28
February 25
March 24
April 28
To SEC, Senate and Mark Wheeler,

From Mark Reed & Sherry Ryan
Co-Chairs, Academic Resources and Planning

Date September 17, 2019

Re Information items from recent ARP meetings (8/27/19 & 9/10/19)

8/27/19 Meeting

- This was the first meeting of the 19/20 AY. New members of the committee were introduced and welcomed: Sherry Ryan [PSFA rep.], Bann Attiq [Staff rep.]. David Fuhriman [URAD] also joined as a guest.
- The committee voted to continue with a co-chair model. Sherry Ryan and Mark Reed will serve as co-chairs of the committee.
- The committee discussed the PBAC recommendation memo drafted by the committee at the end of the last AY. There was also a discussion about changing the name of the committee [Committee on University Resources & Planning] to better reflect the committee’s charge. Mark Reed volunteered to draft a referral for this change and present it at the next meeting.
- The committee discussed potential agenda items for the coming AY which included:
  - Better integrating with PBAC process
  - Integrating with University Strategic Planning process
  - How to be more strategic with budget process
  - How to improve budget transparency and information sharing
  - How to get better input from Colleges and report back to constituent
  - Creating a decision-making flow chart
  - Improving information sharing between Dean’s and Chairs/Directors

9/10/19 Meeting

- George Scott [AS Representative] was introduced to the committee.
- Mark Reed shared the draft language for a referral to the Senate Constitution and Bylaws committee re changing the name of the committee. The committee discussed proposing membership changes as well. The committee tabled the item until the next meeting so that discussion could continue on this topic.
- The committee discussed the Faculty Affairs referral re: funding sources for new faculty. Mark Reed will share documents created by Radmila Prislin on how peer and aspirational universities fund new faculty lines to new committee members for review.
- Crystal Little [BFA] shared the PBAC budget process timeline with the committee (see attached document “San Diego State University 2020/21 Initial Budget Process”)
# San Diego State University
## 2020/21 Initial Budget Process

| I. | Budget Updates sent by VP BFA to faculty and staff | Sep 2019 – June 2020 |
| II. | Joint budget meeting hosted by the 2 budget committee Chairs (PBAC and AR&P) to discuss and provide inputs on campus budget priorities | Before end of September 2019 |
| III. | Finalize campus budget priorities:  
  Announce/publish campus budget priorities  
  Announce/publish divisional budget process & timeline  
  Announce/publish PBAC budget process & timeline | COVP & PBAC  
  Mid-October |
| IV. | Budget forum hosted by Provost and VP BFA:  
  Divisions conduct internal budget request processes | Oct 2019 – Dec 12, 2019 |
| V. | Vice Presidents and President discuss general budget issues (e.g., availability of funding from state and CSU, status of revenue initiatives and auxiliary budgets), critical divisional support needs, and support of strategic initiatives | Nov 2019 – May 2020 |
| VI. | 2020/21 divisional budget requests due to B&F:  
  - Requests must meet dollar thresholds for PBAC | 12/13/2019 |
| VII. | Vice Presidents share their 2020/21 ranked/prioritized divisional base and 1X budget requests with the President and VPs (First draft). | COVP 1/6/2020  
  COVP 1/13/2020  
  COVP 1/20/2020 |
| VIII. | Vice Presidents review and prioritize divisional base and 1X budget requests with the President and VPs. Revise all the requests to a manageable list to be shared with PBAC (Second draft):  
  - Identify mandatory (non-discretionary) requests  
  - Prioritize requests with matching funds  
  - Prioritize requests within available resources | COVP 1/27/2020  
  COVP 2/3/2020  
  COVP 2/10/2020 (hold)  
  PBAC 1/30/2020 |

1. Auxiliary Budgets are discussed to provide information on overall university resources. Auxiliary budgets are set based on the codified budget process of the individual auxiliary and in compliance with the corresponding legal and regulatory framework of the auxiliary.
## IX. AR&P and PBAC meet to discuss the divisional budget requests

First half of all divisions

Second half of all divisions

<table>
<thead>
<tr>
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<th>ARP 3/10/2020</th>
<th>PBAC 3/12/2020</th>
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<tbody>
<tr>
<td></td>
<td>ARP 3/24/2020</td>
<td>PBAC 3/26/2020</td>
</tr>
</tbody>
</table>

## X. BFA provides best estimate of base and one-time funds available for 2020/21 to VPs and President based on available information

March 2019

## XI. Budget forum hosted by Provost and VP BFA

March 2019

## XII. AR&P and PBAC review the consolidated list (second draft) and prioritize the budget requests based on the best estimate of available funding.

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<th>ARP 4/14/2020</th>
<th>PBAC 4/16/2020</th>
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</table>

## XIII. Joint budget meeting hosted by the 2 budget committee Chairs (PBAC and AR&P) to review and provide input/recommendations on the consolidated list.

(Joint) PBAC 4/30/2020

## XIV. Vice Presidents and President discuss the budget requests taking into consideration input from AR&P and PBAC, and prioritize the requests as needed to match the available funding (third draft).

COVP 5/4/2020

## XV. AR&P and PBAC review the revised budget proposal (third draft).

PBAC recommends to President who authorizes allocations to divisions

ARP 5/12/2020

PBAC 5/14/2020

PBAC 5/29/2020 (hold)

---

1 Auxiliary Budgets are discussed to provide information on overall university resources. Auxiliary budgets are set based on the codified budget process of the individual auxiliary and in compliance with the corresponding legal and regulatory framework of the auxiliary.
I. Filling Vacant Senate Seats in the College of Health and Human Services

In consultation with the senators of the College of Health and Human Services (CHHS), the Chair of the Committee on Committees and Elections nominates Dr. Carleen Stoskopf and Dr. Frances Nedjat-Haiem to serve in the two vacant CHHS senate seats until the next regular senate election (see Section 6.1 of the Bylaws).

II. 2019/2020 Annual Agenda of the Committee on Committee and Elections

A. Submit for confirmation nominees for members and chair of Senate-Standing Committees and Senate-Appointed Committees
   1. Work with Staff Affairs committee to fill staff members
   2. Work with Associated Students to fill student member

B. Fill vacancies that may occur in other committees (e.g., search committees, working groups)

C. Run elections in the Senate
   1. Those that take place on the Senate floor
   2. Those that take place outside of the Senate

D. Explore the possibility of reconstituting dormant committees

E. Examine the current policy file for various committee membership (e.g., search, review committees) to make recommendations that reflect the current governance structure

F. Explore possibilities of streamlining the election process (nominations and voting)

G. Participate in the Strategic Planning Process
To: Senate

From: Doreen Mattingly, Chapter President, CFA

Date: 11 September 2019

Re: Information Item

**Confirm your pay raise**
During the summer, our latest negotiated pay raise went into effect: a 2.5% General Salary Increase (GSI). Please double-check to make sure you received it. If you have questions about whether the 2.5 percent was applied correctly, you should contact HR, or your Dean's office, and ask for a review of your salary history. (Our CFA chapter doesn't have access to your payroll records.)

With this latest salary increase, we have seen negotiated GSIs of 16.5% since 2016, plus additional increases that may have applied to specific faculty members. This was made possible through our efforts, working together as a faculty, in our historic Fight for Five campaign in 2016. Thanks again to the over 1000 SDSU faculty members who worked so hard on that campaign.

**Bargaining Survey**
This year we begin bargaining for our next faculty contract. The first step will be a CFA Bargaining Survey this Fall. The survey is an opportunity for members to provide their perspectives on bargaining priorities. With this information in mind, the CFA Bargaining Team will more effectively be able to negotiate a new, fair contract with CSU management.

As a reminder, the bargaining survey is for CFA members only. So, if you are not yet a member, please join today so you will be able to participate in the survey.

**CFA Contact Information**
Please do not hesitate to contact our campus California Faculty Association office at any time if we can provide assistance, whether on a contract rights issue or other matter. Our campus CFA chapter has a Faculty Rights Committee, composed of faculty volunteers, and we are able to talk with faculty colleagues about individual situations and assist in resolving issues. We can be reached at cfa@sdsu.edu or x42775. Our office is in Education 106.

**Thank you to Charles Toombs**
Finally, I am honored to be our new CFA chapter president -- and I have a great example to follow. I want to thank and acknowledge our long-serving chapter president, Charles Toombs, for his 8 years of outstanding leadership on our behalf. Charles is now the statewide president of the California Faculty Association. Congratulations Charles!
To: Senate Executive Committee
From: SDSU Committee on Diversity, Equity and Inclusion
Chair, Gloria Rhodes
Date: September 17, 2019
Re: Report- DEI Annual Agenda

University Committee on Diversity, Equality and Inclusion
Amended & Approved: 9/5/2019
Annual Agenda 2019-2020

1. Advise the University Senate and various campus groups on issues of diversity, equity, and inclusion.

2. Document summative outcomes for all diversity and inclusion related resolutions.

3. Continue to partner with students to elevate their voices through work with Identity Centers, Interfaith Affairs, and Regional Affairs. Recommend function and outcomes of Identity centers in support of students’ academic, social and emotional growth.

4. Review longitudinal data of faculty and staff diversity – all units, ranks and bargaining groups.

5. Continue to partner with various campus resources to support students, faculty and staff with diverse abilities and identities. Advise campus on needed accommodations for faculty and staff.

6. Review official data student from relevant campus units regarding issues of diversity, equity, and inclusion for students, staff, and faculty.

7. Support the development and advise the efforts of the Division of Diversity and Innovation to inform stakeholders of the significance and responsibilities of the Hispanic Serving Institution (HSI) status or designation.

8. Provide guidance to the Division of Diversity and Innovation on campus.

9. Serve as an Advisory Board for the Chief Diversity Officer and Associate Vice President and to the Division of Diversity and Innovation.

10. Support and communicate with the University police department to raise awareness of issues as they relate to diverse populations on campus.
11. Address ad-hoc issues as they arise.
TO: Senate Executive Committee  
FROM: SDSU Committee on Diversity, Equity and Inclusion  
Gloria Rhodes, Chair  
Date: September 17, 2019  
Subject: Consent Calendar

Dear Senate DEI,
In consultations with a number of campus leaders, I am recommending that the deadline for the unit-level diversity plans (e.g., departments, schools, units) be extended to Spring of 2021. This is to ensure greater alignment between the forthcoming University strategic plan and forthcoming college-level plans. In addition, there have also been concerns about the number of different initiatives and efforts taking place, this timeline will help to also address this concern (though the primary rationale is vertical alignment). I am strongly recommending that this revised timeline be voted on via email, submitted to the next SEC meeting, and appear on the consent calendar as a recommended action item.

Luke

*Senate DEI recommends that the deadline for department-level diversity and inclusion plans be moved to March of 2021. This will be to ensure vertical alignment between the University Strategic Plans and the College-Level Diversity Plans. We recommend that the division, auxiliary, and college-level plan deadline (for Fall 2020) remain the same.*
Goal for 19-20: Complete proposal for Senate containing set of Institutional Learning Outcomes which will be used as a guide for Undergraduate Students to select courses from the General Education offerings.

Fall:
Complete data analysis and construct website
Attend meetings of regularly scheduled groups (such as Chairs and Deans; can gather information and direct them to the website and share data already collected)
November/December - Town Hall with Outside Speaker

Spring:
January - Survey alumni & December Grads; use analysis from cafés to create survey for current students
Prepare proposal for Senate
TO: SEC/University Senate
FROM: Adrienne D. Vargas, Interim Vice President, University Relations and Development
DATE: September 17, 2019
RE: Information

**Philanthropy Report:**

Una Davis made a $1 million gift to establish the Una Davis Scholarship which will provide scholarship support to students.

Pledges totaling $400,000 from alumnus and TCF Board Member Jason Campbell and his wife, Carlota, will support SDSU Athletics and the sailing team, a recognized student organization administered through Student Affairs.

$250,000 from the Conrad N. Hilton Foundation will provide scholarships and program/capacity building support to the Guardian Scholars Program Fund.

Dan and Lori Steinberg made a $10,000 gift to support the Zahn Innovation Platform Launchpad.

An anonymous donor made a $50,000 gift to the Ann Marie Endowment for Music, which supports music instruction in the San Diego Unified School District by providing musical instruments for loan to needy students.

A gift of $12,000 from Taoglas USA, Inc. will support the Antenna and Microwave Lab in the College of Engineering.

Gifts in kind totaling $29,980 from Susan Bernay will benefit the College of Arts and Letters.

Claire Reiss made a $25,000 gift to the College of Arts and Letters.

The International Association of Amusement Parks and Attractions made a $10,000 gift to support the L. Robert Payne School of Hospitality & Tourism Management.

At the request of Donna Huchel and Andrew Mundt, The Peacemakers Fund at The San Diego Foundation made grants totaling $125,000 to provide support to students who aspire to serve as Peace Corps volunteers and scholarships for students participating in service oriented internships outside the US.

A gift of $35,000 from the James Hervey Johnson Trust will support faculty projects in the College of Arts and Letters.

Pledges totaling $90,000 from alumna Robin Luby will provide support for scholarships and support for the Musical Theater Program in the College of Professional Studies and Fine Arts.

A gift of $60,000 from the Jewish Community Foundation Joseph J. Fisch Fund will provide
scholarship support to students in the School of Music in the College of Professional Studies & Fine Arts.

The Conterer Foundation, at the request of Lori and Aaron Contorer, pledged $60,000 to support programming related to climate action within the Sage Project in the Division of Academic Engagement and Student Achievement.

Fidelity Charitable Gift Fund Michael Thiemann Fund, at the request of former faculty member Michael A. Thiemann, made a $15,000 gift to support the Associated Students Water Ski Team.

Alumnus Peter Martin and his wife, Mary Beth, have named SDSU as a beneficiary of their estate for a gift of $3 million to support San Diego State University Excellence Fund.

Faculty Emeritus Dean Popp and his wife, Sharon, have named SDSU as beneficiary of their estate for $50,000 to support the Osher Lifelong Learning Institute at San Diego State University.

Bay Area Regional Council Member, Jennifer Fall Jung, as named SDSU as beneficiary of her donor-advised fund for a gift of $15,000 to the Fowler College of Business.

James Rostello has named SDSU as beneficiary of his IRA for $105,000 to establish the James Rostello Endowment for Teaching in Geography.

A realized bequest from the Estate of Frank R. Brazda for $175,000 to create the Frank Richard Brazda Endowed Scholarship supporting seniors majoring in Art with an emphasis in painting and printmaking within the College of Professional Studies and Fine Arts.

A realized bequest from alumnus Anthony Ghio for $100,000 to add to the Aztec Athletics General Fund.

A realized bequest of $13,765 was received from past parents, Henry C. "Hank" and Mary Ellen Gregg, to support San Diego State University Excellence Fund.

The following gifts will support SDSU Athletics:

$25,000 from Max and Ellen Gelwix.

$10,000 from the Stephen C. Netzley Trust.

$25,000 from Bill and Robin Sinclair.

$13,900 from the National Philanthropic Trust Vigil Family Foundation, at the request of alumnus David L. Vigil.

$12,500 from Karen McElliott.

$30,000 from Cutwater Spirits.

$13,333 from DJO Global, Inc.
**Campaign, Presidential & Special Events:**

President de la Torre will continue to host receptions at the University House to welcome senior administrators to the Aztec family. A reception for Eugene Olevsky, Dean of the College of Engineering will take place on Thursday, September 12, 2019. Guests include campus leaders along with community members and College of Engineering donors.

On Saturday, September 21, Steve Fisher and Interim Vice President Adrienne Vargas will host donors and Campanile Foundation board members in the President’s Suite during the SDSU vs. Utah State football game. Guests include donors and prospects from the College of Education, College of Sciences, and the Division of Academic Engagement & Student Achievement as well as Tower Society Magna Cum Laude members. The suite is expected to be at near capacity at 75 guests.
1. Review our charge to “forward to Senate the annual report on retention and graduation in the fall of each academic year” and determine a new process to do so moving away from the Enrollment, Retention and Graduation (ERG) Compendium and utilizing real time data now available such as Tableau with guides and suggested areas of concern and review
2. Determine the appropriateness of the use of 600, 700 or 800 level courses for undergraduate course work in combined programs such as 4+1 and ITEPs
3. Referrals from Strategic Planning
4. Cross over Gen Ed Reform
5. Review the departure survey (for retention) conducted this past summer
6. Construct Journey map for typical SDSU student
To: Senate Executive Committee  
From: Norah Shultz, Chair of Undergraduate Council  
Re: Resolution of Service Learning Policy

1. The Service Learning (SL) Faculty Fellows committee submitted a policy document to the Undergraduate Council on May 14, 2018.

The following is the memo which accompanied the policy:

Dear Dr. Shultz,

As per CSU’s California’s Call to Service Initiative, by December 31, 2018, all campuses are required to have a campus definition and designation policy for Service Learning (SL) that meets the minimum criteria of a SL course, as identified in CSU’s working definition (http://www.calstate.edu/cce/about_us/vision.shtml).

Accordingly, SDSU’s Service Learning Faculty Fellows Committee has put forth a document recommending the following to be considered by the Undergraduate Council, and, henceforth, the Undergraduate Curriculum Committee:

Curriculum Policy for SL Designation and Approval of New SL Courses  
Service Learning Definitions, Outcomes, and Other Items to include in SL Course Syllabi

The document provided by the Service Learning Faculty Fellows Committee clearly articulates how the SL attribute gets applied and who will be responsible on campus for assuring SL course attributes are reviewed for accuracy.

We look forward to your advice regarding next steps to be followed for campuswide implementation of the policy described in the document.

Our MEMO to the Undergraduate Council and the policy document are attached.

Respectfully,
Vinod

Vinod Sasidharan, Ph.D.
Associate Professor, Sustainable Tourism Management  
L. Robert Payne School of Hospitality and Tourism Management

Director of Service Learning
2. During our fall 2018 meetings Undergraduate Council reviewed these materials and agreed with the Service Learning Fellows that we need to have a campus definition and designation policy for Service Learning. After this determination I reached out to the Senate Officers to determine what the next course of action should be (i.e. should this matter be sent to referral). The Senate Parliamentarian concluded that this should move directly to the Undergraduate Curriculum Committee.

3. Below is Bill’s explanation:

This appears to be a change to the curriculum guide. We do not have a current policy on service learning, other than to say that it is part of the mission of the University. From my read of it, the document provides procedures for designating a course as “service learning.” I don’t think that’s really policy material.

On the other hand, the policy calls for, essentially, the establishment of a new committee. This committee just provides a review of courses that are proposed for the service learning designation, to insure that these proposals meet the learning objections for the “service learning” designation. There’s no provision for bringing the service learning designation to the Senate as a separate item, as you would for GE. On the other hand, there’s no motivation to have the Senate vote on the designation, because doing so isn’t perceived to have the resource implications that a GE designation would bring.

I would suggest modifying the curriculum guide to include a required review of learning objectives for a “service learning” designation to be given. The review can be done as part of the Undergraduate Curriculum Committee (UCC) process for bringing curriculum proposals forward to the Senate. If Undergraduate Council (UC) wants to specify how the review will be done as part of the curriculum guide, that’s fine. But, I don’t think that the Senate should set up a new committee to do the job – it can go to a group set up by the UC in collaboration with the UCC. The UCC can report to the Senate the a course proposal has been officially accepted to have an SL designation in
the Schedule of Classes.

4. The email from Undergraduate Council to UCC got lost in the mass flow of proposals last year. This fall I reached out to Larry again and we decided to bring the matter to SEC since Larry’s sense is that this is a policy issue and UCC’s charge is to review proposals. One way or another this matter must be resolved soon.
MEMORANDUM

Date: May 14, 2018

From: Service Learning Faculty Fellows Committee

To: Dr. Norah Shultz, Undergraduate Council

As per CSU’s California’s Call to Service Initiative, all campuses are required to have a campus definition and designation policy for Service Learning (SL) that meets the minimum criteria of a SL course, as identified in CSU’s working definition [http://www.calstate.edu/cce/about_us/visions.shtml], by December 31, 2018.

Accordingly, SDSU’s Service Learning Faculty Fellows Committee has put forth a document recommending the following to be considered by the Undergraduate Council, and, henceforth, the Undergraduate Curriculum Committee:

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2. Service Learning Definitions, Outcomes, and Other Items to include in SL Course Syllabi

The document provided by the Service Learning Faculty Fellows Committee clearly articulates how the SL attribute gets applied and who will be responsible on campus for assuring SL course attributes are reviewed for accuracy.

We look forward to your advice regarding next steps to be followed for campuswide implementation of the policy described in the document.

Respectfully,

Vinod Sasidharan, Director of Service Learning

On behalf of:
Peter Atterton, Associate Dean, College of Arts and letters (ex-officio)
Susan Cayleff, Women’s Studies
Patricia Cue, Art and Design
Sarah Garrity, Child and Family Development
Humay Ghosh, Women’s Studies
Brian Hentschel, Biology
Young-Shin Lee, Nursing
Alan Mobley, Public Affairs
Kotaro Nakamura, Art and Design
Cynthia Park, Teacher Education
Jose Preciado, Director of Community Engagement and General Studies (ex-officio)
Rachael Record, Communication
Vinod Sasidharan, Hospitality and Tourism Management (ex-officio)
Norah Shultz, AVP of Academic Affairs, Student Achievement (ex-officio)
I. SDSU CURRICULUM POLICY FOR SL DESIGNATION AND APPROVAL OF NEW SL COURSES

The new Service Learning (SL) course proposal is reviewed by a University-level Service Learning Committee. If the proposal is deemed to meet the learning outcomes for Service Learning (SL), it receives the SL designation. Designation as a SL course requires that the following criteria be met. These elements must be addressed in writing as part of the SL designation curriculum proposal and should be clearly reflected in the proposed syllabus:

1. Justification that the SL component is integral to and supportive of the academic focus of the course. In the syllabus, this can be communicated in the course description, in a separate description of the SL component of the course, and/or in the learning outcomes.

2. Description of the mechanism(s) used to introduce the SL component to the students. This may be done through various methods including, but not limited to: class discussions, guided readings, experiential class periods, or utilizing the Service Learning and Community Engagement Programs (SLCE), servicelearning.sdsu.edu, as a resource.

3. Description of the:
   - community partner(s) and location(s) where the SL assignment will be completed;
   - community partner needs and their relationship to the course learning outcomes;
   - expected professional skills and civic learning goals;
   - activities that will meet the service requirement;
   - length of time students will be required to serve (minimum of 15 hours during the semester, with 20 hours being optimal, regardless of the unit value of the course);
   - process for verification of service hours.

4. Description of the mechanisms and opportunities for ongoing student reflection on the integration of the SL component with course content (e.g., class discussions, journals, papers, presentations).

5. The grading standards of the course must reflect that the weight assigned to the service-learning component accounts for a significant portion of the total course grade (minimum of 15%, with 20% or more being optimal).

II. SERVICE LEARNING DEFINITIONS, OUTCOMES, AND OTHER ITEMS TO INCLUDE IN SL COURSE SYLLABI

The information provided below is to help faculty develop a thorough Service Learning course syllabus. Please include the following items in your syllabus:

- The definition of Service Learning
- General policies related to Service Learning
- Learning outcomes associated with Service Learning

DEFINITION OF SERVICE LEARNING

Service Learning entails active student participation in intentional and collaborative service experiences that help promote long-term community development and civic engagement. Service Learning projects significantly relate to course content as well as enrich student education through the acquisition of professional skills in a practical (or applied) setting while also satisfying the needs of partner institutions. Through various pedagogic activities involving reflection, students enhance their sense of civic responsibility, self-awareness, and commitment to the community.

A Service Learning Course is an academic course that provides students opportunities to participate in organized service activities that meet community needs while linking these experiences to course
Service Learning courses enhance education by providing activities that expand the scope of the course beyond traditional in-class assignments and group projects. Collaboration and the further development of ongoing relationships between SDSU and partner institutions serve as service learning’s cornerstone.

**LEARNING OUTCOMES ASSOCIATED WITH SERVICE LEARNING**

Students who apply themselves fully to the Service Learning component of this course should:

- Identify the local social problems facing communities **
- Recognize the diversity of communities within and around the San Diego region *
- Practice professional and social skills at working with others effectively to address community challenges****
- Relate the course content, the major, and the field of study to individual goals and interests ***
- Cultivate a network of connections at the university and community level *****

These service learning outcomes support the **Seven Essential Capacities** developed through SDSU’s General Education curriculum, which are (see asterisks):

1. Construct, analyze, and communicate arguments ****
2. Apply theoretical models to the real world;
3. Contextualize phenomena ***
4. Negotiate differences *
5. Integrate global and local perspectives **
6. Illustrate relevance of concepts across boundaries ***
7. Evaluate consequences of actions **

**GENERAL POLICIES RELATED TO SERVICE LEARNING**

At SDSU, Service learning and community service activities are supported by the Service Learning and Community Engagement Programs (SLCEP): servicelearning.sdsu.edu. SDSU requires the following forms to be completed to ensure a general and professional liability for students enrolled in service-learning courses for which they receive academic credit: 1. Community Partner Service-Learning Agreement; and 2. Student Waiver of Liability and Assumption of Risk form. You will need to submit these forms to your Department Coordinator or other Department Designee at the beginning of the Semester and before starting any service learning activities related to the course.

**ADDITIONAL ITEMS TO INCLUDE IN YOUR SYLLABUS**

- A course description that includes a discussion of the service-learning project or experience.
- A more detailed description of the Service Learning project or experience in the course assignments section, including main tasks, outcomes for student and community partner, identification of community partner(s), and brief description of partner organizations.
- Textbooks, articles, or book chapters related to Service Learning in general, or relevant to the specific context of Service Learning for your course.
- A more detailed description of the structured reflection assignment. Such assignments can include journal writing based on specific prompts, formal and informal oral presentations based on specific prompts, role playing, interviewing classmates, photo essays, collages, and more. Consider consulting with the SLCEP for ideas and examples of how to structure reflections.
INFORMATION (4I-09-19)

ADMINISTRATION, REHABILITATION AND POSTSECONDARY EDUCATION

1. Change in program.

   Administration, Rehabilitation and Postsecondary Education
   Specific Requirements for the Master of Science Degree in Rehabilitation Counseling
   Concentration in Clinical Rehabilitation and Clinical Mental Health Counseling
   (Major Code: 12221) (SIMS Code: 331011)

   To complete the Master of Science degree in rehabilitation counseling with a
   concentration in clinical mental health counseling, students must complete 63 units to
   include:

   1. Required rehabilitation counseling courses (24 units):
      (no change)

      2. Advanced training in rehabilitation counseling (18 units):
         ARP 601 Seminar in Best Practices in Psychiatric
         Rehabilitation…3
         ARP 608 Seminar in Principles of Psychiatric Rehabilitation…3
         ARP 685A-685B Medical and Psychological Aspects of Disability…3-3
         ARP 687 Job Development for Individuals with Disabilities…3
         ARP 708 Human Development and Disability…3

   3. Additional licensed professional clinical counselor requirements (12 units):
      CSP 618 Mental Health Recovery and the DSM: A Social Justice
      Perspective…3
      CSP 650 Trauma and Crisis Counseling in Multicultural Community
      Context…1-3 (3 units required)
      CSP 687 Family and Systemic Treatment of Substance
      Abuse…1-3 (3 units required)
      CSP 694 Psychopharmacology for Marriage and Family
      Therapists and Counseling…2-3 (3 units required)

   4. Fieldwork requirements (9 units):
      ARP 744 Practicum in Rehabilitation…3-12 (3-6 units required)
      ARP 745 Internship in Rehabilitation…3-9 (3-6 units required)

   Change(s): (a) In the existing program, students are required to take at least six (6) units of
   Practicum and six (6) units of Internship. The new program will require students to take
   three to six (3-6) units of Practicum and three to six (3-6) units of Internship for a total of
no fewer than nine (9) units of fieldwork (comprised of Practicum and Internship units).
(b) In the existing program, students are required to take CFD 670: Lifespan Development.
In the revised program, students will take a newly developed course to fulfill the Human
Development requirement of the program: ARP 708: Human Development and Disability.
(c) Program Learning Goals and Student Learning Objectives have been revised to reflect
changes brought about by program development and new CACREP standards. Catalog
copy has been expanded to provide prospective and current students with more information
about admission requirements and program contents.

**BIOLOGY**

1. New course.

   Biology
   
   **ADV BIO DATA ANALYSIS (C-2)**
   
   BIOL 668. Advanced Biological Data Analysis (3)
   
   (Same course as Bioinformatics and Medical Informatics 668)
   
   Two lectures and three hours of laboratory.
   
   Prerequisite: Biology 568 [or Bioinformatics and Medical Informatics 568].
   
   Bioinformatics analysis methods and programming skills. Practical bioinformatic
   software for bioinformatic algorithms, programming fundamentals, and sequence analysis.

**BIOINFORMATICS AND MEDICAL INFORMATICS**

1. New course.

   Bioinformatics and Medical Informatics
   
   **ADV BIO DATA ANALYSIS (C-2)**
   
   BIOMI 668. Advanced Biological Data Analysis (3)
   
   (Same course as Biology 668)
   
   Two lectures and three hours of laboratory.
   
   Prerequisite: Bioinformatics and Medical Informatics 568 [or Biology 568].
   
   Bioinformatics analysis methods and programming skills. Practical bioinformatic
   software for bioinformatic algorithms, programming fundamentals, and sequence analysis.

2. Change in program.

   Bioinformatics and Medical Informatics
   
   **Specific Requirements for the Master of Science Degree**
   
   (Major Code: 07994) (SIMS Code: 771490)
   
   Paragraph 1 (no change)
   
   1. Complete 15 units of required core courses.
      
      BIOMI 568/BIOL 568 Bioinformatics…3
      BIOMI 612/COMP 612 Scientific Fundamentals and Ethics…3
      BIOL 606 Biological Data…3
      COMP 526 Computational Methods for Scientists…3
2. Complementary: Six units in a field complementary to the student’s background with approval of the graduate coordinator selected from the following courses.

- **BIOMI 600/CS 600** Methods in Bioinformatics, Medical Informatics, and Cheminformatics…3
- **BIOMI 601** Practical Data Mining…3
- **BIOMI 602** Sequencing and Sequence Analysis for Bioinformatics…3
- **BIOMI 608** Programming Problems in Bioinformatics…3
- **BIOMI 609** Computational Genomics and Bioinformatics…3
- **BIOMI 668/BIOL 668** Advanced Biological Data Analysis…3
- **BIOL 740** Phylogenetic Systematics…3
- **BIOL 562** Ecological Metagenomics…3
- **COMP 607** Computational Database Fundamentals…3
- **COMP 626** Applied Mathematics for Computational Scientists…3
- **PH 602** Biostatistics…3
- **PH 700A** Seminar in Public Health. Epidemiology…1-3

3. Electives: Three units of approved 500-, 600-, or 700-level electives in disciplines related to the student’s specialization with approval of the graduate coordinator.

4. Nine units of research including Thesis:

- **BIOMI 797** Research (3) Cr/NC/RP
- **BIOMI 798** Special Study (3) Cr/NC/RP
- **BIOMI 799A** Thesis or Project (3) Cr/NC/RP

Change(s): Summary of Changes

Core Courses: Increase the number of core units from 12 to 15 units per student. Replace BIOL 510 Molecular evolution with BIOL 606 Biological Data; Replace CHEM 560 General Biochemistry with COMP526 Computational Methods for Scientists; Replace BIOMI 600 Methods in Bioinformatics, Medical Informatics, and Cheminformatics with COMP 605 Scientific Computing (moving BIOMI 600 to a Complementary Course); add an additional required class BIOMI 612 Scientific Fundamentals and Ethics. Complementary Courses: Add BIOMI 600 as a complementary course. Remove the following courses that are impacted or that students are not taking.

- CHEM 567 Biochemistry Laboratory
- CS 514 Database Theory and Implementation
- CS 520 Advanced Programming Languages
- CS 532 Software engineering
- CS 560 Algorithms and their analysis
- CS 605 Scientific Computing
- CS 615 Spatial Databases
- STAT 551A Probability and Mathematical Statistics
- STAT 551B Probability and Mathematical Statistics
- STAT 680A Advanced Biostatistical Methods
- STAT 680B Advanced Biostatistical Methods

Add the following new classes that have been requested for approval:

- **BIOMI601** Methods in Genomic Feature Extraction, Annotation, and Functional Genomics
- **BIOMI602** Biological Systems and Advanced Graph Theoretic Approaches to Systems Biological Models
- **BIOMI603** Genomes, Epigenomes and their analysis
- **BIOMI608** Programming Problems in Bioinformatics
- **BIOMI601** Methods in Genomic Feature Extraction, Annotation, and Functional Genomics
Genomic Feature Extraction, Annotation, and Functional Genomics Add the following computational classes: COMP607 Computational Database Fundamental COMP626 Applied Math for Scientists Electives Reduce the number of elective units from 6 to 3 Research Require 3 units each of 797, 798, and 799A.

CITY PLANNING


City Planning

SEM HOUSNG POLCY CMTY DEV

C P 635. Seminar in Housing Policy and Community Development (3)

Study, definition and analysis of housing needs and problems. Public policies and programs addressed to housing issues. Alternative solutions and the role of the private and public sectors.

Change(s): Description updated from Study, definition and analysis of housing needs and problems. Public policies and programs addressed to housing issues. Alternative solutions and the role of the private and public sectors to what is presented above. Title updated from Seminar in Housing and Housing Policy to what is presented above.

COMPUTER SCIENCE

1. New course.

Computer Science

BIG DATA TOOLS & METHODS (C-I)

CS 649. Big Data Tools and Methods (3)

Prerequisites: Computer Science 550 and either Computer Science 503 or 514 with a grade of C (2.0) or better in each course.

Analyze, curate, search, and visualize big data. Apache MapReduce and Spark, distributed databases and messaging/streaming, electronic notebooks, NoSQL databases, programming languages, statistics.

COUNSELING AND SCHOOL PSYCHOLOGY

1. Change to units.

Counseling and School Psychology

CSP 635. Sexuality and Intimacy in Couple and Family Therapy and Counseling (1-3)

Prerequisites: Counseling and School Psychology 621 and 621L or 625, or consent of instructor.

Approaches to understanding sexual functioning and intimacy through multicultural, historical, and relational clinical theory frameworks. Specific sexual issues presented in therapy, treatment planning, and intervention. Fulfills marriage and family therapy and LPCC licensure requirements.
1. Change(s): Units updated from variable 1-2 to 1-3.

2. Change to staffing formula.

Counseling and School Psychology
C-78
CSP 711. Intensive Study in School Psychology (1-6)
Prerequisite: Admission to the school psychology program.
Selected areas in school psychology theory and practice. May be repeated with new content. See Class Schedule for specific content. Maximum credit eight units.

Change(s): Staffing formula updated from C-5 to C-78.

3. Change to prerequisite and title.

Counseling and School Psychology
ED PSY: DEV BIO BASES
CSP 764. Educational Psychology: Developmental and Biological Bases of Behavior (3)
Prerequisite: Counseling and School Psychology 619.
Human neuropsychology relevant to assessment and intervention practices within school settings; associated biological and cultural influences on human behavior. Brain-behavior relationships within context of cognitive and developmental psychology, learning, and education.

Change(s): Prerequisite updated from CSP 723 to 619. Advanced dropped from title.

4. Change to staffing formula and units.

Counseling and School Psychology
C-78
CSP 780. Internship (1-12) Cr/NC
Prerequisite: Counseling and School Psychology 730.
Supervised internship experience in counseling or school psychology activities. Application to take the course must be made early during the preceding semester. May be repeated with new content. See Class Schedule for specific content. Maximum credit six units applicable to a master’s degree. Maximum credit 24 units applicable to the specialization in school psychology.

Change(s): Staffing formula updated from S-25 to C-78. Units updated from variable 2-12 to 1-12.

EDUCATIONAL LEADERSHIP

1. New course.
Educational Leadership

SYSTEMS LEADERSHIP (C-2 four units; C-8 two units)
EDL 601. Systems Leadership (6)
  Four lectures and four hours of activity.
  Prerequisites: Admission to Preliminary Administrative Services Credential Program and classified graduate standing.
  Systems and organizational structures that support school vision and goals. Regulatory and legal contexts involved with the management of fiscal, human, and material resources. Effective communication, enhancing capacity, and ethical decision-making in challenging conditions.

2. New course.

Educational Leadership

CHANGE LEADERSHIP (C-2 four units; C-8 two units)
EDL 635. Change Leadership (6)
  Four lectures and four hours of activity.
  Prerequisites: Admission to Preliminary Administrative Services Credential Program and classified graduate standing.
  Development and implementation of a shared vision of learning and growth. Involvement of community, parents, and staff in school visioning and improvement processes. Collection and analysis of data to identify strategies for school improvement.

3. New course.

Educational Leadership

INSTRCTL SUPRVSN ADLT LRN (C-2 four units; C-8 two units)
EDL 651. Instructional Supervision and Adult Learning (6)
  Four lectures and four hours of activity.
  Prerequisites: Admission to Preliminary Administrative Services Credential Program and classified graduate standing.
  Adult learning theory and professional growth development, assessment of quality instruction, collaborative practices to improve teaching and learning.

4. Change in program.

Educational Leadership

Specific Requirements for the Ed.D. in Educational Leadership
Concentration in PreK-12 School Leadership
(Major Code: 08272) (SIMS Code: 331931)
Twenty-one to 27 units selected from the following courses:
  EDL 650     Professional Learning and Growth Leadership…3
  EDL 707     Educational Law and Finance…3
  EDL 720     Human Resource Development in PreK-12
                Educational Organizations…3
  EDL 755     Governance and Policy Development in PreK-12

42
Learning Organizations...3
EDL 760 Practicum in PreK-12 Educational Organizations...2-6 (Cr/NC/RP)
EDL 830 Leadership for Learning...3
EDL 880 Seminar in Topics in Educational Leadership...3
ED 806 Ethnically Diverse Learners: Public Policy and Classroom Practice...3-4
ED 808 Academic Research and Publishing in Education...3
ED 810 Seminar in Curriculum Development and Implementation...3
ED 814 Seminar in Curricular Change Processes...3
ED 822 Seminar in Analysis and Issues in Race and Ethnic Relations...3
ED 823 Seminar in Action Oriented Policy Research in Multicultural Contexts...3
ED 827 Seminar in Communication and Cognition in Education...3
ED 895 Seminar: Writing and Research...3

Change(s): Existing Program Dissertation Units: 12 Proposed Modification: Variable Units 6-12 Existing Program Concentration: Currently specifies seven required courses (21 units). Proposed Modification: Extend list to 15 eligible courses from which 21-27 units will be selected to build each cohort's program of study. Each of the courses to be added is an existing College of Education course. The additional six units present in the variable unit figure result from cases where fewer (less than 12) dissertation units are programed.

5. Change in program.

Educational Leadership

Specific Requirements for the Preliminary Administrative Services Credential: (Credential Code: 00501)

Successful completion of the credential coursework and fieldwork requirements, including a passing scores on the California Administrator Performance Assessment (CalAPA), will qualify candidates for an EDL departmental recommendation for the California Preliminary Administrative Services Credential (PASC).

Admission Requirements: Candidates must be admitted to SDSU and to the Department of Educational Leadership. Admission to the Department of Educational Leadership requires that students possess a master’s degree in education or related field from an accredited university or be concurrently enrolled in a master’s degree program; have five years of teaching, pupil personnel service, librarian, or social work experience, have passed the CBEST; have two letters of recommendation from supervisory administrators and presently be working in a PreK-12 teaching environment where they can accomplish the needed fieldwork/practicum experiences.

Required courses (32 units):
   EDL 601 Systems Leadership (6)
   EDL 635 Change Leadership (6)
   EDL 651 Instructional Supervision and Adult Learning (6)
   EDL 660 Field Experience in Educational Leadership (8) Cr/NC/RP
   EDL 680 Seminar in PreK-12 Educational Administration (6)

Remainder of description (no change)
Change(s): Previously, students completed at least two 3-unit courses each semester along with the seminar course and independent fieldwork. Instructors worked independently each semester and did not coordinate coursework with fieldwork to support mastery of CalAPA or the CAPEs. Since instructional courses were limited to 3 units, they did not allow for related fieldwork to be embedded and monitored directly by the instructor. This disconnect hampered students' preparation for and completion of the CalAPA and made it difficult for candidates to connect learning to fieldwork in a meaningful way. The proposed program modifications will introduce an area of focus for each semester: Instructional Leadership, Change Leadership and Systems Leadership that will allow for coordination of instruction, assignments, assessments and fieldwork. The proposed EDL 601 Systems Leadership combines the topics and CAPEs previously presented in EDL 600 Organizational and Systems Leadership and EDL 655 Communication, Problem Solving and Decision Making. The content for these courses focus on CAPEs 3, 5 and 6 and should be combined to strengthen the links between organizational and systems thinking and problem solving/decision making. The proposed EDL 635 Change Leadership combines the topics and CAPEs previously presented in EDL 610 Visionary Leadership, EDL 630 School Improvement Leadership, and EDL 640 Community Leadership. Since 2 of the 3 required CalAPA cycles focus on facilitating change to improve student achievement, combining visioning, school improvement and community involvement will increase support for students' successful completion of both cycles needed for eligibility for the Preliminary Administrative Services Credential. The proposed EDL 651 Instructional Leadership combines the topics and CAPEs previously presented in EDL 650 Professional Learning and Growth Leadership and EDL 652 Seminar in Instructional Leadership. The content for these courses focused on CAPE 2 and topics in both courses overlapped. Coordination of these courses will also enhance preparation for CalAPA Cycle 3.

MATHEMATICS AND SCIENCE EDUCATION

1. Change in program.

Mathematics and Science Education

Specific Requirements for the Doctor of Philosophy Degree
(Major Code: 08997) (SIMS Code: 993501)

Residency Requirements. (no change)
Language Requirement. (no change)

Course Requirements. All students admitted into the doctoral program will fulfill the following requirements. Any alternative method of fulfilling these requirements must be approved by the graduate advisers.

a. Four research apprenticeship experiences:
   SDSU: MSE 801 and
   SDSU: MSE 802 and UCSD: MSED 295, and
   SDSU: MSE 820 or UCSD: MSED 298.

b. Core courses in Mathematics or Science Education.
   UCSD: MSED 296A, 296B, 296C and
   SDSU: MTHED 603.
Science Education students must also take SDSU: TE 610C. Mathematics Education students must select two of the following additional courses: SDSU: MTHED 600, 601, 604, 605, 606, 607.

c. Three courses on quantitative and qualitative research methods.
   SDSU: MSE 810 and one of the following sequences:
   UCSD: EDS 254, 255 or
   UCSD: PSYC 201A, 201B or
   UCSD: MA 282A, 282B.

d. Two courses in cognitive science at UCSD selected from:
   COGS 102A, 102B, 152/252, 155, 200, 203, 220, 260; or one of COGS 101A, 101B, 101C.

e. One teaching practicum selected from:
   SDSU: MSE 805, 806, 807 or
   UCSD: Discipline 500.

f. Two courses from any categories are selected with advisers according to the student’s needs and background:
   3. Equity and Diversity. UCSD: EDS 113, 125, 250, 252, or 278.
   4. Mathematics and Science: Graduate level courses in biology, chemistry, mathematics, or physics.
   5. Teaching Experience: An option for students who have not yet had teaching experiences at both the K-12 and collegiate levels is to take a second teaching practicum.
   6. Other. Other types of courses (at the graduate or upper division undergraduate level) can be approved by the advisers if they contribute to a coherent program.

g. Two doctoral research courses:
   SDSU: MSE 830 and 899 or
   UCSD: MSED 299.

Beyond these requirements, no specified number of courses is required for the doctoral degree. It is expected, however, that all the doctoral students will supplement the requirements with electives that contribute to individual career objectives.

Additional Requirements for Students Entering with a Master’s Degree in Mathematics Education. Students who are admitted into the doctoral program with a master’s degree in mathematics education will increase the breadth and depth of their mathematical knowledge by fulfilling the requirements specified for Option A or Option B:

**Option A.**

UCSD: MATH 240A, 240B, 240C and
Pass the UCSD comprehensive examination on analysis at the master’s level and
One graduate algebra course: UCSD: MATH 200A or SDSU: MATH 620 or 623. MATH 623 can only be selected if the student has already taken a graduate level abstract algebra course.
Option B.
Select two of SDSU: MATH 620, 621, 623, and
Pass the SDSU comprehensive examination on algebra at the master’s level and
UCSD: MATH 240A

Remainder of description (no change)

Change(s): Proposed Course Requirement Changes: 1. In the section on mathematics/science education, the seminar required of science education students will change from “UCSD: MSED 290” to “SDSU: TE 610C.” TE 610C (Seminar in Science in Elementary Education) was created since our last program change. It is a better option because MSED 290 was not supported by a faculty position at UCSD (i.e., it was taught off-load by faculty volunteers). 2. In the section on research methods, EDS 287, 288 has been replaced by EDS 254, 255. This happened three years ago when the Education Studies Department at UCSD started a new Ph.D. program and enhanced their quantitative research methods offerings. We also wish to omit PSY 670A, 670B at SDSU. Because of the residency requirements at UCSD, all of our students have to take their quantitative research methods sequence at UCSD. 3. In the section on cognitive science, we need to omit COGS 234 because it is no longer offered. We wish to add the following courses, which have been developed at UCSD in recent years and are appropriate for our students: • COGS 155: Gesture and Cognition • COGS 152/252: Cognitive Foundations of Mathematics • COGS 203: Cognitive Science Foundations • COGS 220: Information Visualization 4. In the section on teaching practicums, EDS 129A/139 is no longer offered at UCSD. We also wish to replace MSED 295 with a recently developed course at UCSD, “MSED 294: Teaching Practicum.” MSED 295 was used as a “place holder.” 5. In the section on electives, we wish to change the first sentence from “Two courses from different categories are selected with advisors…” to “Two courses from any categories are selected with advisors..” Forcing students to choose electives across two categories did not function well in practice. For example, there were often two excellent course options in a single category. Quality control will be maintained through the stipulation that these electives are selected with advisors. We will continue to have categories to demonstrate the interdisciplinary nature of our program. In the Philosophy & History category, HISC 164/264 and HISC 265 are no longer offered at UCSD. We wish to add HISC 110 (Historical Encounters of science and Religion). In the Sociology category, UCSD has replaced SocB 117 with SocI 117 and SocC 126 with SocI 126. We would also like to add “EDS 136/139: Introduction to Academic Tutoring of Secondary School Students.” As a third category of electives, we want to add “Equity & Diversity” because a number of our doctoral students are increasingly interested in these topics and because Education Studies at UCSD has been creating new courses in this area. Thus, we wish to list the following courses in this category: • EDS 113: Chicanas/os and Latinas in Education: Policy, Practice, and Challenges to Equity • EDS 125: History, Politics, and Theory of Bilingual Education • EDS 250: Equitable Educational Research and Practice • EDS 252: Transforming Inequities in Student Outcomes • EDS 278: Talking Culture, Culture Talking: Voices of Diversity 6. In the section on research courses, there is an inaccuracy in the current text. It reads “Three doctoral research courses: SDSU: MSE 830, 899 and UCSD: MSED 299.” MSE 830 is a doctoral seminar but MSE 899 and MSED 299 are research units related to dissertation research. If the student’s dissertation chair is from UCSD, then the student
registers for MSED 299. If the chair is from SDSU, the student registers for MSE 899. Thus, more accurate language follows: “Two doctoral research courses: SDSU: MSE 830 and 899 or UCSD: MSED 299.”

**PUBLIC HEALTH**

1. Change to prerequisite.

   Public Health  
   P H 661. Theoretical Foundations of Health Promotion (3)  
   Prerequisite: Graduate standing in public health.  
   Psychological, sociological, economic, and political theories relevant to the mission and processes of health promotion.

   Change(s): Prerequisite updated from *Public Health 290* to what is presented above.

2. New course.

   Public Health  
   MODRN EPDEMIOLGY METHODS I (C-1)  
   P H 820A. Modern Epidemiology Methods I (3)  
   Prerequisites: Public Health 601 and 627 with a grade of A- (3.7) or better in each course.  
   Fundamentals of causal inference, quantitative measures of occurrence, association and effect, study design. Data analysis and interpretation, sources and mitigation of bias, review and critical appraisal of peer-reviewed literature.

3. New course.

   Public Health  
   MODRN EPDEMIOLGY MTHDS II (C-1)  
   P H 820B. Modern Epidemiology Methods II (3)  
   Prerequisites: Public Health 820A with a grade of B (3.0) or better.  
   Continuing examination of causal inference, quantitative measures of occurrence, association and effect, study design. Data analysis and interpretation, sources and mitigation of bias, review and critical appraisal of peer-reviewed literature.

4. Change in program.

   Public Health  
   Specific Requirements for the MSW/MPH Degree  
   (Major Code: 12991)  
   Paragraph 1 *(no change)*  
   Social Work/Public Health-Health Management and Policy (SIMS Code: 998221)  
   SWORK 601 Seminar in Social Welfare Policy and Services…3
SWORK 619  Human Behavior in the Social Environment…3
SWORK 620A Seminar in Human Behavior and Social Environment:
  Direct Practice…3
SWORK 630  Social Work Practice: A Generalist Perspective…3
SWORK 631  Social Work Practice: Individuals, Families, and Groups…3
SWORK 632  Social Work and Gerontology: Organizations and
  Communities…3
SWORK 650* Field Practicum…7 (Cr/NC)
SWORK 690/ Seminar in Research Methods
GERO 690  for Social Work and Gerontology…3
SWORK 720  Seminar in Selected Topics in Human Behavior and
  Social Environment…3
SWORK 740/ Advanced Seminar in
GERO 740    Administration and Community
  Development in Social Work
  and Gerontology…3
SWORK 755* Advanced Field Practicum: Social Work Administration
  and Community Development…8 (Cr/NC/RP)
SWORK 797  Research…3 (Cr/NC/RP)
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 641  Introduction to Health Services…3
P H 642  Health Insurance and Financing Systems…3
P H 644A  Health Services Organization Management…3
P H 644B  Managing High-Performing Health Care Organization…3
P H 645  Health Economics…3
P H 647  Quantitative Methods and Health Data Analysis…3
P H 648  Health Policy…3
P H 742A  Health Services Financial Management…3
P H 747  Quality Improvement and Program Evaluation…3
P H 748  Health Services Competitive Strategy and Marketing…3
P H 797  Research…3 (Cr/NC/RP)
P H 799A  Thesis…3 (Cr/NC/RP)
or
SWORK 799AThesis…3 (Cr/NC/RP)
Electives: Three units of social work electives—recommended:
SWORK 745  Advanced Seminar in Selected Topics in Social
  Work Administration…3
Remainder of description (no change)

Change(s): The New MSW/MPH Dual Program includes PH 603 as a required course and
removes a Social Work Elective course (3 unit). That makes the total unit for graduation
unchanged (93 units).
### SOCIAL WORK

1. **Change in program.**

Social Work

**Specific Requirements for the MSW/MPH Degree**

(Major Code: 12991)

Paragraph 1 (*no change*)

**Social Work/Public Health-Health Management and Policy (SIMS Code: 998221)**

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<tr>
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or
SWORK 799A Thesis...3 (Cr/NC/RP)
Electives: Three units of social work electives—recommended: SWORK 745—Advanced Seminar in Selected Topics in Social Work Administration...3

Remainder of description (no change)

Change(s): The New MSW/MPH Dual Program includes PH 603 as a required course and removes a Social Work Elective course (3 unit). That makes the total unit for graduation unchanged (93 units).

SPECIAL EDUCATION

1. Reinstatement and change to description, prerequisite, title.

Special Education
LEADERSHIP SUPERVISION MGT (C-4)
SPED 655. Leadership, Supervision, and Management (3)
Prerequisite: Admission to the behavior analysis certificate or M.A. program.
Leadership through a behavioral lens. Data-informed decision-making, organization behavior management, and performance feedback.

Change(s): Description updated from Program development and leadership in early childhood education with emphasis on recommended practices, legal and legislative issues, staff and parent development, funding, policy, and program evaluation to what is presented above. Prerequisite updated from Admission to clear credential or M.A. program to what is presented above. Title updated from Leadership and Management in Early Childhood Special Education to what is presented above.

2. New course.

Special Education
DRCT INTRN APPL BEH ANLYS (S-25)
SPED 771A. Directed Internship: Applied Behavior Analysis (3)
Prerequisite: Admission to the behavior analysis certificate or M.A. program.
Integration and application of behavior analysis principles. Participation and coaching in selected programs for students with disabilities.

3. Change in program.

Special Education
Behavior Analysis Certificate
(SIMS Code: 331998)
The behavior analysis certificate provides the foundational knowledge for educators, psychologists, and other interventionists to provide intervention practices based on principles of behavior analysis. The courses are approved by the Behavior Analysis Certification Board as the content sequence required prior to taking the examination.
Prerequisites for admission include a bachelor’s degree from an accredited institution in child and family development, education, liberal studies, psychology, social sciences, or other helping profession with a 2.85 grade point average in the last 60 units. Students must complete 15 units and maintain a 3.0 minimum grade point average in all certificate coursework with no less than a C in any course. Courses taken in the certificate program with a grade of B or better may be applied to a master’s degree with the consent of the graduate adviser.

**Required courses (six units):**
- **SPED 553** Behavioral Strategies and Supports for Students with Disabilities…3
- OR
  - **CSP 623** Ecobehavioral Assessment-Intervention…3
- AND
  - **SPED 676** Advanced Applied Behavior Analysis…3

**Elective courses (nine units from the following):**
- **SPED 530** Issues in Autism…3
- **SPED 605** Advanced Behavioral and Health Supports…1
- **SPED 655** Leadership, Supervision, and Management…3
- **SPED 681B** Advanced Studies in Special Education: Moderate/Severe Disabilities and Early Childhood…3
- **SPED 685** Single Case Research Design…3
- **SPED 771A** Directed Internship: Applied Behavior Analysis…3
- **CSP 710A** Professional Seminar…3
- **CSP 710B** Professional Seminar…3
- **CSP 733** Ethics and Law for Educators…3

Change(s): The changes are in the list of elective courses only. The changes include: 1) removing courses that are currently or soon to be inactive (SPED 510 or SPED 500), 2) changing the ethics course to the revised number from CSP 710 to CSP 733, 3) adding courses from the recently approved course sequence in CSP (CSP 710A and CSP 710B) and 4) adding two courses with content that will be required by the BACB in the near future (SPED 655 and SPED 771A).

**STATISTICS**

1. Change to prerequisite.

Statistics
- **STAT 680A** Advanced Biostatistical Methods (3)
  - Prerequisite: Statistics 551B with a grade of C (2.0) or better.
  - Design, conduct, and analysis of experimental and observational studies including cohort, survival, case-control studies. Multifactor screening. Biological assays.

Change(s): Prerequisite updated from Statistics 551A to what is presented above.
2. Change to prerequisites.

Statistics
STAT 702. Data Mining Statistical Methods (3)
Prerequisites: Statistics 610 and 670B with a grade of B (3.0) or better in each course.

Concepts and algorithms of data mining techniques such as decision trees and rules for classification and regression, clustering, and association analysis.

Change(s): Prerequisites updated from Statistics 551B or 670B to what is presented above.

3. New course.

Statistics
SEM DATA SCIENCE RESEARCH (C-5)
STAT 750. Seminar in Data Science Research (3)
Prerequisite: Graduate standing.

Core readings from data science literature. Statistical communication practices to guide presentations of a literature review and analytical results to scientific audiences.

4. New course.

Statistics
STAT COMM IN DATA SCI (C-3)
STAT 794. Statistical Communication in Data Science (3)
Prerequisites: Statistics 610 and 670B.

Communicate statistical results to a scientific audience through written reports and oral presentations. Identify appropriate analysis tools for data science problem solving. Best practices in scientific writing and statistical graphics.
INFORMATION (4I-09-19.500)

AEROSPACE ENGINEERING

1. Change to course statement.

Aerospace Engineering
A E 535. Mechanics of Composite Structures (3)
(Same course as Mechanical Engineering 535)
Prerequisites: Aerospace Engineering 280 and Aerospace Engineering 310 or Mechanical Engineering 314.
Micro- and macro-mechanics of composite materials, classical lamination theory, initial failure prediction and progressive failure analysis of laminates, analysis of beam and plate structures, stiffness and strength based design of composites.

Change(s): Removed Not open to students with credit in Mechanical Engineering 540 from course statement field.

BIOLOGY

1. Change to title.

Biology
ADVANCED EVOLUTION
BIOL 509. Advanced Evolution (3)
Two lectures and two hours of activity.
Prerequisite: Biology 352.
Evolutionary biology including genetics of populations, speciation, systematic biology, adaptation, role of development in evolution, evolution of behavior, and comparative biology. Evolutionary biology as the central organizing principle of biology.

Change(s): Title updated from Evolutionary Biology to what is presented above.

MECHANICAL ENGINEERING

1. Change to course statement.

Mechanical Engineering
M E 535. Mechanics of Composite Structures (3)
(Same course as Aerospace Engineering 535)
Prerequisites: Aerospace Engineering 280 and Aerospace Engineering 310 or Mechanical Engineering 314.
Micro- and macro-mechanics of composite materials, classical lamination theory, initial failure prediction and progressive failure analysis of laminates, analysis of beam and plate structures, stiffness and strength based design of composites.

Change(s): Removed Not open to students with credit in Mechanical Engineering 540 from course statement field.

2. Change to course statement, description, grading method, and title.

Mechanical Engineering
MECHANICS OF POLYMERS
M E 540. Mechanics of Polymers (3)
Prerequisites: Mechanical Engineering 314.
Polymeric materials, mechanics, and properties. Mechanical mechanics and properties essential for design. Stress-Strain behavior theories and models to include hyperelasticity and viscoelasticity. Design and analysis methodologies and techniques.

Change(s): Removed Not open to students with credit in Mechanical Engineering 535 [or Aerospace Engineering 535] from course statement field. Description updated from Fundamentals of ceramics, polymers, and composite materials. Materials design and selection. Statistical methods of brittle materials design, appropriate for ceramic materials, and rheological modeling of polymeric materials. Stress and strain analysis using classical lamination theory of multi-ply composite laminates to what is presented above. Grading method updated from + -LETTER (C/N OK) to + -LETTER. Title updated from Nonmetallic Materials to what is presented above.

3. Change to prerequisites.

Mechanical Engineering
M E 556. Solar Energy Conversion (3)
Prerequisites: Mechanical Engineering 351, 360, 452.
Application of thermodynamics, fluid mechanics and heat transfer to the thermal design of solar energy conversion systems. Computer simulations utilized.

Change(s): Replaced A E 340 with M E 360 as prerequisite.

4. Change to prerequisites.

Mechanical Engineering
M E 580. Biomechanics (3)
Prerequisites: Mechanical Engineering 304 (or Civil Engineering 301) and 360.

Change(s): Replaced A E 340 with M E 360 as prerequisite.

PUBLIC ADMINISTRATION

1. Change to description, prerequisite, and title.

Public Administration
COMMUNITY MAPPING GIS
   Prerequisite: Public Administration 301 with a grade of C (2.0) or better.
   GIS principles for purposes of community mapping and relevant policy decision-making.

Change(s): Description updated from Systems and organization analysis; work standards and units; procedures analysis; administrative planning to what is presented above. Prerequisites updated from Public Administration 301 and a statistics course to what is presented above. Title updated from Public Administrative Systems Analysis to what is presented above.