Institutional representatives should provide direct links to PDF documents for each of the curriculum requests represented below. All requests should be posted on the campus Curriculum and Instruction website one week prior to the Academic Affairs Council meeting where the curriculum request is being considered.

### New Unique Course

<table>
<thead>
<tr>
<th>Prefix &amp; Number</th>
<th>Course Title</th>
<th>Approval Date</th>
<th>Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC/SUST 434/534</td>
<td>Behavior and Sustainability</td>
<td>12/15/21</td>
<td>RH</td>
</tr>
</tbody>
</table>

### Revised Course Requests

<table>
<thead>
<tr>
<th>Prefix &amp; Number</th>
<th>Course Title</th>
<th>Approval Date</th>
<th>Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 581</td>
<td>Mathematical Physics</td>
<td>12/15/21</td>
<td>RH</td>
</tr>
</tbody>
</table>

Courses referenced above for approval have been reviewed by the Academic Affairs Council and the System Vice President for Academic Affairs and may be advanced forward for entry in the student information system. For those courses listed above that did not receive approval, additional clarification or justification will be necessary and should be re-routed through the curriculum review process on a separate “Institutional Curriculum Requests” form once all issues have been resolved.

Signature: System Vice President for Academic Affairs  
Date: 11/29/2021
Section 1. Course Title and Description

<table>
<thead>
<tr>
<th>Prefix &amp; No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUST/PSYC 434/534</td>
<td>Behavior and Sustainability</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Description

The causes of environmental degradation are anthropogenic and so too are the solutions. This course examines different perspectives on the motivations of human behavior, drawing on diverse disciplines, including psychology, economics, and sociology. Theories of behavior change and behavioral intervention case studies will inform student efforts to design viable programs that promote improved sustainability through behavior change.

Pre-requisites or Co-requisites N/A
Registration Restrictions N/A

Section 2. Review of Course

2.1. Will this be a unique or common course (place an “X” in the appropriate box)?

☒ Unique Course

If the request is for a unique course, institutions must review the common course catalog in the system course database to determine if a comparable common course already exists. List the two closest course matches in the common course catalog and provide a brief narrative explaining why the proposed course differs from those listed. If a search of the common course catalog determines an existing common course exists, complete the Authority to Offer an Existing Course Form. Courses requested without an attempt to find comparable courses will not be reviewed.

<table>
<thead>
<tr>
<th>Prefix &amp; No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUST 720</td>
<td>Communication and Change</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 418</td>
<td>Environmental Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Provide explanation of differences between proposed course and existing system catalog courses below:

Existing courses focus on environmental communication and understanding whereas the proposed course emphasizes behavior. The course will examine the major mechanisms for inducing pro-environmental behavior, many of which are distinct from communication.

Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

☒ No. Schedule Management, explain below:

This new course is created as part of the expansion of course offerings by a new faculty member.
3.2. Existing program(s) in which course will be offered (i.e., any current or pending majors, minors, certificates, etc.):

3.3. Proposed instructional method by university (as defined by AAC Guideline 5.4):
If requesting an instructional method that is exempt from the Section Size Guidelines, please provide a brief description of how the course is appropriate for the instructional method, as defined in AAC Guidelines. R – Lecture

3.4. Proposed delivery method by university (as defined by AAC Guideline 5.5):
U01 – Face-to-face

3.5. Term change will be effective:
Spring 2022

3.6. Can students repeat the course for additional credit?
☐ Yes, total credit limit: ___________ ☒ No

3.7. Will grade for this course be limited to S/U (pass/fail)?
☐ Yes ☒ No

3.8. Will section enrollment be capped?
☒ Yes, max per section: 30 ☐ No

3.9. Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course system database?
☐ Yes ☒ No

3.10. Is this prefix approved for your university?
☒ Yes ☐ No

Section 4. Department and Course Codes (Completed by University Academic Affairs)

4.1. University Department: Sustainability / Psychology

4.2. Banner Department Code: USUS / UPSY

4.3. Proposed CIP Code: 30.3301

Is this a new CIP code for the university? ☐ Yes ☒ No
Section 1. Existing Course Title and Description

<table>
<thead>
<tr>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 581</td>
<td>Mathematical Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Course Description

The first of two-semester sequence covering mathematical methods essential to the study of physics. The topics include differential and integral Vector Calculus, theory and applications of complex variables, ordinary differential equations and applications of series and transform methods in their solutions.

Section 2. Modification(s) Requested

2.1. This modification will include (place an “X” in the box for all that apply):

☐ Course Title change: Mathematical Physics
☒ Credit Hours change from 4/3 to 4
☒ Dual-listing at 400/500 level (existing PHYS 481 and PHYS 581)
☒ Course Content/Description change (write proposed new content below)

This course looks at mathematical methods used to formulate and solve problems in various fields of physics. Topics are chosen from: series solutions, special functions, computational methods, complex variables, multi-variate methods, transform methods, and other areas of mathematical applications to physics.

Effective term of the change: 202280
2.2. Add justification for all changes noted above:

The USD PHYS-581 course description does not align with the USD PHYS-481 course description. The SDSMT PHYS-481/581 course description and the SDSU course description are identical to the USD PHYS-481 course description. The proposed USD PHYS-581 course description change brings all PHYS-481/581 course descriptions into alignment with the course description that the department feel is better. All courses will be 4 hours.

Section 3. Other Course Information

Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course database (Course Inventory Report)?

☐ Yes ☒ No

Section 4. Department and Course Codes (Completed by University Academic Affairs)

☐ Change in University Department Code

<table>
<thead>
<tr>
<th>Current</th>
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<th>New</th>
</tr>
</thead>
<tbody>
<tr>
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☐ Change in Banner Department Code

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☐ Change in CIP Code

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<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.0810</td>
<td>to</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Hi Beth,

Thanks for checking! Yes, the 500 level should be 4 credit hours to align with the 400 level.

Best,

Joel

On Wed, Dec 15, 2021 at 9:05 AM Freeburg, Beth M <Beth.Freeburg@usd.edu> wrote:

Good morning Joel,

Will you confirm that the 500 level should be 4 credit hours too? Currently, the 500 level is 3-4 and the 400 level is 4. Our form indicates 4 credits.

Beth

From: Joel Sander <joel.sander@usd.edu>
Sent: Wednesday, December 15, 2021 9:27 AM
To: Freeburg, Beth M <Beth.Freeburg@usd.edu>
Subject: Re: FW: SDBOR follow up

Hi Beth,

Thank you for your willingness to include removal of PHYS-683 and taking care of the paperwork! I just heard back that both SDSMT and SDSU are supportive. Below are copies of their emails of support. Let me know if there is anything else you need from me. I am very willing to help however I can.

SDSU email:

Raynie, Douglas via coyotesusd.onmicrosoft.com Fri, Dec 3, 7:12 PM (3 days ago) to Joel, Xinhua, Yongchen

SDSU has no plans to offer PHYS 683 in the foreseeable future.

Doug

SDSMT email:

Bai, Xinhua via coyotesusd.onmicrosoft.com 5:41 PM (1 hour ago) to Joel, Richard, Douglas, Yongchen
Hi Joel,

We had a discussion today. People are fine with taking it off the books.

Notes from our discussion:
(1) Some of PHYS-683 contents not covered by other courses may be taught in independent study or a topic course when needed.
(2) People also made comment that contents of PHYS 481/581 Mathematical Physics may be adjusted to reflect the change so that students can be better served. - We didn't discuss this in depth though.

Could you/USD please initiate the process when you are ready and keep us updated so that we can make proper adjustment in our system?

Thanks,

Bai

Best regards,

Joel

On Thu, Dec 2, 2021 at 3:44 PM Freeburg, Beth M <Beth.Freeburg@usd.edu> wrote:

If you hear back that they are supportive, we can include this in our back to the SDBOR and we can take care of the paperwork.

From: Joel Sander <joel.sander@usd.edu>
Sent: Thursday, December 2, 2021 12:58 PM
To: Freeburg, Beth M <Beth.Freeburg@usd.edu>
Cc: Messersmith, Jessica J <Jessica.Messersmith@usd.edu>; Sun, Yongchen <Yongchen.Sun@usd.edu>
Subject: Re: FW: SDBOR follow up

Hi Beth,

Yes, we will proceed with reaching out to SDSMT and SDSU about addressing PHYS-683.

Best,

Joel
Re: Re: PHYS-SBI USD credit change

Bai, Xinhua <xinhua.bai@sdsmt.edu>

Thu 9/02/2021 5:10 PM

To: Raynie. Douglas <douglass.raynie@sdsstate.edu>; Sander, Joel <Joel.Sander@sdsstate.edu>
Cc: Sun, Youngchun <youngchun.sun@sdsmt.edu>

Same here. No questions or concerns.

Cheers,

Bai

From: Raynie. Douglas <douglass.raynie@sdsstate.edu>
Sent: Thursday, September 9, 2021 3:41 PM
To: Sander, Joel; Bai, Xinhua
Cc: Sun, Youngchun
Subject: [EXT] Re: PHYS-SBI USD credit change

HI Doug and Bai,

USD would like to change the course description for PHYS-SBI to match that of SDSMT and SDSU and make it a true dual listed course. Changing the common course to match requirements allows SDSMT and SDSU to continue to offer the course. Doug would have the chance to ask any questions you might have.

Best regards,

Joel Sander

ASSOC PROFESSOR AND GRADUATE COORDINATOR

DEPARTMENT OF PHYSICS AKELEY 103 | www.physics.unl.edu

URL: https://www.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.safelinks.protection.outlook.com%3Furl=%6C%75%6D%69%6C%65%73%74%3D%26OUI%3D0&data=%3C%75%6D%69%6C%65%73%74%4E%61%6D%65%74%4C%61%72%74%206C%69%6D%6F%72%2061%2064%69%76%65%72%206D%65%63%74%6F%6F%6F%206C%69%6E%65%74%2073%65%72%76%65%72%73%74%65%64%206D%61%6E%73%65%74%2074%68%65%206C%69%6E%65%74%2063%6F%6D%70%6C%69%65%64%206C%61%75%65%72%72%6F%75%65%2074%68%65%2064%65%6D%69%64%206D%65%63%74%6F%6F%6F%206C%69%6E%65%74%2065%6E%64%77%65%65%6D%65%6E%74%2073%65%72%76%75%63%65%72%79%206C%69%6E%65%74%2074%6F%2073%65%72%76%65%72%73%74%65%64%2073%65%73%73%75%6E%74%2030%26OUI%3D0&reserved=0

URL: https://www.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.safelinks.protection.outlook.com%3Furl=%6C%75%6D%69%6C%65%73%74%3D%26OUI%3D0&data=%3C%75%6D%69%6C%65%73%74%4E%61%6D%65%74%4C%61%72%74%206C%69%6D%6F%72%2061%2064%69%76%65%72%206D%65%63%74%6F%6F%6F%206C%69%6E%65%74%2073%65%72%76%65%72%73%74%65%64%206D%61%6E%73%65%74%2074%68%65%206C%69%6E%65%74%2063%6F%6D%70%6C%69%65%64%206C%61%75%65%72%72%6F%75%65%2074%68%65%2064%65%6D%69%64%206D%65%63%74%6F%6F%6F%206C%69%6E%65%74%2065%6E%64%77%65%65%6D%65%6E%74%2073%65%72%76%75%63%65%72%79%206C%69%6E%65%74%2074%6F%2073%65%72%76%65%72%73%74%65%64%2073%65%73%73%75%6E%74%2030%26OUI%3D0&reserved=0

Best regards,

Joel Sander