

ORIGINATOR'S SECTION:		
1. College: <input type="checkbox"/> CHABSS <input type="checkbox"/> CoBA <input type="checkbox"/> CoEHHS <input checked="" type="checkbox"/> CSM	Desired Term and Year of Implementation (e.g., Fall 2008): Spring 2018	
2. Current Course abbreviation and Number:		

TYPE OF CHANGE(S). Check all that apply.

Course Number Change	<input type="checkbox"/>	Delete Prerequisite	<input type="checkbox"/>	Other Prerequisite Change	<input checked="" type="checkbox"/>
Course Title Change	<input type="checkbox"/>	Add Corequisite	<input type="checkbox"/>	Grading Method Change	<input type="checkbox"/>
Unit Value Change	<input type="checkbox"/>	Delete Corequisite	<input type="checkbox"/>	Mode of Instruction Change (C/S Number)	<input type="checkbox"/>
Description Change	<input type="checkbox"/>	Add Consent for Enrollment	<input type="checkbox"/>	Consider for G.E. If yes, also fill out appropriate GE form.	<input type="checkbox"/>
Add Prerequisite	<input type="checkbox"/>	Delete Consent for Enrollment	<input type="checkbox"/>	Cross-list	<input type="checkbox"/>

Information in this section— both current and new — is required only for items checked above.

NEW INFORMATION:

CURRENT INFORMATION:			NEW INFORMATION:																										
3. Title: Physics 306 Introduction to Physics Education Research			Course abbreviation and Number:																										
4. Abbreviated Title for Banner (no more than 25 characters): PHYS 306			Title: <i>(Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)</i>																										
5. Number of Units: 4			Abbreviated Title for PeopleSoft: (no more than 25 characters, including spaces)																										
6. Catalog Description: An introduction to research in physics education and research-based physics teaching. Subjects include how people learn and understand physics concepts and the nature of science. Additional subjects will include research-based curricula, pedagogical approaches, and challenges associated with implementing novel teaching methods. Useful for students interested in teaching and learning physical sciences. Enrollment Requirement: PHYS 203.			Number of Units:																										
6. Catalog Description: An introduction to research in physics education and research-based physics teaching. Subjects include how people learn and understand physics concepts and the nature of science. Additional subjects will include research-based curricula, pedagogical approaches, and challenges associated with implementing novel teaching methods. Useful for students interested in teaching and learning physical sciences. Enrollment Requirement: PHYS 203.			Catalog Description: <i>(Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)</i> An introduction to research in physics education and research-based physics teaching. Subjects include how people learn and understand physics concepts and the nature of science. Additional subjects will include research-based curricula, pedagogical approaches, and challenges associated with implementing novel teaching methods. Useful for students interested in teaching and learning physical sciences. Prerequisite: PHYS 203.																										
7. Mode of Instruction* <i>(See pages 17-23 at http://www.calstate.edu/cim/data-elem-dic/APDB-Transaction-DED-SectionV.pdf for definitions of the Course Classification Numbers)</i>																													
<table border="1"> <thead> <tr> <th>Type of Instruction</th> <th>Number of Credit Units</th> <th>Instructional Mode (Course Classification Number)</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td></td> <td></td> </tr> <tr> <td>Activity</td> <td></td> <td></td> </tr> <tr> <td>Lab</td> <td></td> <td></td> </tr> </tbody> </table>			Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)	Lecture			Activity			Lab			<table border="1"> <thead> <tr> <th>Type of Instruction</th> <th>Number of Credit Units</th> <th>Instructional Mode (Course Classification Number)</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td></td> <td></td> </tr> <tr> <td>Activity</td> <td></td> <td></td> </tr> <tr> <td>Lab</td> <td></td> <td></td> </tr> </tbody> </table>			Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)	Lecture			Activity			Lab		
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8. Grading Method:*			8. Grading Method:*																										
<input type="checkbox"/> Normal (N) <i>(Allows Letter Grade +/-, and Credit/No Credit)</i> <input type="checkbox"/> Normal Plus Report-in-Progress (NP) <i>(Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)</i> <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP)			<input type="checkbox"/> Normal (N) <i>(Allows Letter Grade +/-, and Credit/No Credit)</i> <input type="checkbox"/> Normal Plus Report-in-Progress (NP) <i>(Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)</i> <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP)																										

*If Originator is uncertain of this entry, please consult with Program Director/Chair.

RECEIVED
OCT 11 2017
BY: _____

Tracker —
RP —
PS —

CURRENT INFORMATION:

NEW INFORMATION:

<p>9. If the NP or CP grading system was selected, please explain the need for this grade option.</p>	
<p>10. Course Requires Consent for Enrollment? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department/Director/Chair</p>	<p>Course Requires Consent for Enrollment? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department/Director/Chair</p>
<p>11. Course Can be Taken for Credit More than Once? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many times (including first offering)</p>	<p>Course Can be Taken for Credit More than Once? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many times (including first offering)</p>
<p>12. Is Course Cross Listed: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate which course</p>	<p>Is Course Cross-listed? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate which course and check "yes" in item #17 below.</p>
<p>13. Prerequisite(s):</p>	<p>Prerequisite(s):</p>
<p>14. Corequisite(s):</p>	<p>Corequisite(s):</p>
<p>15. Documentation attached: <input type="checkbox"/> Syllabus <input type="checkbox"/> Detailed Course Outline</p>	

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information – all items in this section must be completed.)

16. Does this course fulfill a requirement for any major (i.e. core course or elective for a major, majors in other departments, minors in other departments)? Yes No
 If yes, please specify:
 Course is required for Physics majors.

17. Does this course change impact other discipline(s)? *(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)* Check "yes" if the course is cross-listed. Yes No
 If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

 Discipline _____ Signature _____ Date _____ Support _____ Oppose _____

 Discipline _____ Signature _____ Date _____ Support _____ Oppose _____

18. Reason(s) for changing this course:
 Enrollment requirements are being changed to pre/co-requisites.

SIGNATURES : (COLLEGE LEVEL) :

(UNIVERSITY LEVEL)

Michael Burin 10/4/17
 1. Originator (Please Print) _____ Date

[Signature] 10/4/17
 2. Program Director/Chair _____ Date

[Signature] 10/9/17
 3. College Curriculum Committee _____ Date

[Signature] 10/10/17
 4. College Dean (or Designee) _____ Date

 5. UCC Committee Chair _____ Date

 6. Vice President for Academic Affairs (or Designee) _____ Date

 7. President (or Designee) _____ Date