

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: December 9, 2013

AGENDA ITEM No. 13-12-10

ACTION: (Y/N) Y

SUBJECT: Student Course Additions/Deletions 2014-2015

INFO. CONTACT: Dr. Denise Morton/Claire Porter PHONE: 919-732-8126

- ATTACHMENTS:
1. Addition/Elimination of Course Offerings Policy and Procedures #3105
 2. Course Review Committee
 3. Course Elimination Request
 4. Course Addition Requests
 5. Business Case Studies
-

PURPOSE: To provide the Board of Education with staff recommendations for the addition and/or elimination of high school courses for the 2014-2015 school year.

BACKGROUND: Board Policy #3105 Addition/Elimination of Course Offerings requires OCS district staff to conduct a review process prior to considering the addition or elimination of courses for the following school year. Two new course offerings are being recommended along with one course elimination. Two additional courses recommended by the Course Review Committee (see course addition request) will be discussed during budget preparation at a later date.

A district committee reviewed high school course additions and elimination requests. The approved list of course additions and eliminations was forwarded to district senior leadership for their review. The courses are being presented to the School Board for consideration in compliance with Board Policy #3105.

FINANCIAL IMPACT:

AP Physics I & II - Teacher Training	\$1,500.00
AP Physics I & II - Textbooks (25)	<u>\$2,500.00</u>
	\$4,000.00

RECOMMENDATION: The Superintendent recommends the Board of Education approve the proposed course additions and eliminations for the 2014-2015 school year.

ADDITION/ELIMINATION OF COURSE OFFERINGS

Date Reviewed/Approved: 12/06/2004

Policy Number: 3105

Rescinds Policy Number: ICE

Issued: 2/28/79

The Orange County Board of Education supports a wide array of course offerings. To support the changing needs and interests of our students, new courses may be added and existing courses eliminated.

New courses that are in the North Carolina Standard Course of Study and new courses not in the North Carolina Standard Course of Study require a review process. This process includes completion of a Course Addition Report, input from the School Governance Council/parents, and approval of the superintendent preferably prior to student registration. The resources needed to support the course should be included in the school and/or system budget for the following school year. Support for the course does not guarantee school and/or system funding.

Existing courses to be considered for elimination also require a review process. This process includes completion of a Course Elimination Report, input from the School Governance Council/parents, and approval of the superintendent or designee prior to omitting the course from student registration for the following year. The redirection of resources that support the course should be reflected in the school and/or system budget for the next school year.

Issued: 12/09

PROCEDURE TO ADD OR ELIMINATE A COURSE

1. An individual or group in a school who wishes to add or eliminate a course must obtain and complete a *Course Addition Request* or a *Course Elimination Request* and submit it to the principal.
2. The principal will request written feedback from the School Improvement Team.
3. If the principal supports the recommendation, the principal will submit the *Course Addition/Course Elimination Request* and written feedback to the Director of Secondary Instruction prior to October 1.
4. The Director of Secondary Instruction will review the information and consider many factors including the impact of adding this course across the district. The plan must include the financial impact of adding or eliminating a course and which funds will be used to support the addition or elimination of a course.
5. Following a review of the school's *Course Addition/Course Elimination Request(s)*, the Director of Secondary Instruction will provide recommendations directly to the principal.
6. The principal will be given two weeks to review the district's recommendations in order to make revisions to the *Course Addition/Course Elimination Request(s)*.
7. The principal will provide a revised *Course Addition/Course Elimination Request* form to the Director of Secondary Instruction.
8. The Director of Secondary Instruction will convene a Course Review Committee, per Board Policy, to review each course. The district committee will consist of teachers, school administrators, and parents and will reflect the demographics of the school.
9. The Superintendent's senior staff will review and approve recommendations and then forward to the Board of Education.
10. The Board of Education will provide the vote to approve or deny each course addition and/or course elimination.
11. This process should be completed prior to January 1st of each school year.

**Course Addition Request
for**

_____ **School Year**

School: _____

Person Making the Request/Title: _____

Title of Proposed Course: _____

Department/Subject Area: _____

Units of Credit: _____

Course Prerequisites: _____

Principal's Signature

Date

1. In four-five sentences, explain the course as you wish for it to appear in the district's course guide.

Course Description:

2. What is the major justification for addition of this course?
3. Is this course in the *North Carolina Standard Course of Study*?
4. What is the anticipated/total enrollment for the course over a two-year period?
Include number of periods offered and students enrolled in each period.
5. How will the new class impact the current schedule and student/teacher ratio by period and department?
6. What is the staffing plan? Estimate costs.

7. Specify the textbooks, instructional supplies, technology needs and materials needed to teach this course. Estimate costs.

8. What are the classroom needs?
 - o Classroom Space:

 - o Furniture:

 - o Estimated Costs:

 - o Are outside resources available to support this course?
(i.e. grants, partnerships, college/university partner, etc.)
If so, please explain.

9. Provide a course outline of content and sequence of the proposed course. *If your course request includes honors level credit, please review the state guidelines for requesting an honors level course at: www.ncpublicschools.org/curriculum/honorsguide

10. Submit the *Course Addition Request* to the Director of Secondary Instruction.

**Course Elimination Request
for
_____ School Year**

School: _____

Person Making the Request/Title: _____

Title of Proposed Course: _____

Department/Subject Area: _____

Units of Credit: _____

Course Prerequisites: _____

Principal's Signature

Date

1. What is the major justification for elimination of this course?
2. Is this course mandated by law?
3. Is this course in the *North Carolina Standard Course of Study*?
4. What is the anticipated/total student enrollment for the course over the next two years? Include number of periods and number of students enrolled per period.
5. What is the impact on students who need to meet graduation requirements and qualify for post-secondary opportunities?
6. If this course is eliminated, what changes would occur in the staffing plan? Estimate financial gain.
7. How will the elimination of this course impact the current schedule and student/teacher ratio by period and department?

8. What textbooks and instructional supplies and materials would be redirected?

9. What space, if any, would this make available?

10. What furniture would this make available?

11. What technology tools (hardware/software) would become available?

12. What is the likelihood that this course would be reinstated at some future date?

13. Attach any other relevant information.

14. Submit the *Course Elimination Request* to the Director of Secondary Instruction.

COURSE EVALUATION FORM

Course Name

Reviewer's Initials

1. Are questions 1-14 answered?

YES

NO

2. Which questions were not addressed or need additional clarification?
Please be specific.

3. Question number two asks:
"What is the major justification for addition of this course?"

Is the justification plausible?

YES

NO

4. What is the financial impact of adding this course to our high schools?
(i.e., Textbooks, Supplies, Equipment, Additional Teacher, Additional Space, etc.)

5. Could the course be viewed as controversial by parents, students or community members?

YES

NO

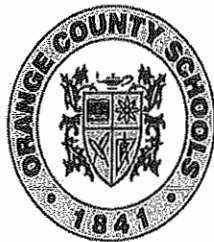
6. Do you recommend that this course be added to the
High School Course Guide?

YES

NO

Additional Comments:

Concerns:



Orange County Schools

Sign In Sheet

Sponsor's Name: Claire Porter

Objective: Course Review Committee Meeting

Date: November 12, 2013

Time: 4:15pm OCS-Administrative Annex

PRINT

Participant's Name	School/Organization
Javier Amador	Orange High school,
Nicholas Mauriello	Orange High School
JOHN WHEELER	CEDAR RIDGE HIGH SCHOOL
Marian Graves	Cedar Ridge High School
NINA DAYE	ORANGE High
Judith Brantley	OHS
Becky Smith	Orange High
Paula Alford	Orange High
CLAIRE PORTER	A. ANNEX
Paul Harris	Annex
Amy Wilson	CRHS
Patrick Kavanaugh	CRHS

Course Elimination Request

November 12th, 2013

The following course eliminations were submitted by district staff.

Course Name	Submitted By
AP Physics B	District staff/no longer offered by College Board

Course eliminations require a review process. The process includes completion of a Course Elimination Request and review by a district course review committee.

Course Elimination Request

Print Form

for

School Year 2014-2015

Procedure Number 3105-P

School: Cedar Ridge High School/Orange High School

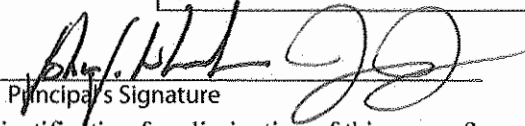
Person Making the Request/Title: Patrick Kavanaugh, Becky Smith, Lynne Gronback

Title of Proposed Course: AP Physics B

Department/Subject Area: Science

Units of Credit: 1

Course Prerequisites: N/A


Principal's Signature

12-2-13
Date

1. What is the major justification for elimination of this course?

AP Physics B has been eliminated by the College Board, to be replaced with two new courses: AP Physics I and AP Physics II, to debut in Fall 2014 followed by the first examination in May, 2015. Splitting the AP Physics B course into two separate full year courses allows students to achieve in-depth understanding, they will have more time for hands-on exploration of physics content and inquiry labs.

2. Is this course mandated by law? YES NO

3. Is this course in the *North Carolina Standard Course of Study*? YES NO

4. What is the anticipated/total enrollment for the course over a two-year period?
Include number of periods offered and students enrolled in each period.

n/a being deleted

5. What is the impact on students who need to meet graduation requirements and qualify for post-secondary opportunities?

n/a being deleted

6. If this course is eliminated, what changes would occur in the staffing plan? Estimate financial gain.

Replaced by AP Physics I and AP Physics II. No changes

7. How will the elimination of this course impact the current schedule and student/teacher ratio by period and department?

No changes

8. What textbooks and instructional supplies and materials would be redirected?

Materials and textbooks would be redirected to AP Physics I and AP Physics II

9. What space, if any, would this make available?

No implications

10. What furniture would this make available?

No implications

11. What technology tools (hardware/software) would become available?

No implications

12. What is the likelihood that this course would be reinstated at some future date?

Not likely- AP College Board course dedcision

13. Attach any other relevant information.

10. Submit the *Course Addition Request* to the Director of Secondary Instruction.

Course Addition Requests

November 12th, 2013

The following courses were submitted by classroom teachers, with the approval from the building principal, or by district staff.

Course Name	Submitted By
Spanish For Native Speakers II World Languages	CRHS/OHS
Dance I Cultural Arts	CRHS/OHS
AP Physics I Science	CRHS/OHS
AP Physics II Science	CRHS/OHS

All new courses require a review process. This process includes completion of a Course Addition Request and review by a district course review committee.

Course Addition Request

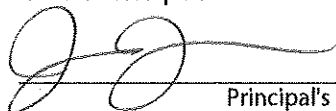
Print Form

for

School Year

Procedure Number 3105-P

School	Cedar Ridge High School & Orange High School
Person Making the Request/Title	Patrick Kavanaugh - CRHS/Nina Daye - OHS
Title of Proposed Course	AP Physics 1
Department/Subject Area	Science
Units of Credit	1
Course Prerequisites	Common Core Math 1 & 2



Principal's Signature

Date

1. In four-five sentences, explain the course as you wish for it to appear in the district's course guide.

Course Description:

AP Physics 1: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

2. What is the major justification for addition of this course?

The College Board is discontinuing the AP Physics B course after 2013-2014, and replacing it with AP Physics 1 & AP Physics 2. The curriculum has been focused and deepened. AP Physics 1 virtually replicates the curriculum of Honors Physics, and so is intended to replace Honors Physics in the course selection guide.

3. Is this course in the *North Carolina Standard Course of Study*? YES NO

4. What is the anticipated/total enrollment for the course over a two-year period?

Include number of periods offered and students enrolled in each period.

CRHS has had 1 section of Honors Physics each year that this course is intended to replace.

5. How will the new class impact the current schedule and student/teacher ratio by period and department?

There should be no change from the present requirements.

6. What is the staffing plan? Estimate costs.

No additional staffing required. This course replaces Honors Physics at CRHS and the 1st semester of AP Physics B at OHS.

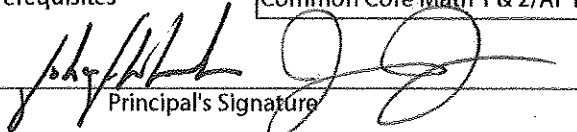
Course Addition Request
for

Print Form

School Year

Procedure Number 3105-P

School	<input type="text" value="Cedar Ridge High School & Orange High School"/>
Person Making the Request/Title	<input type="text" value="Patrick Kavanaugh - CRHS/Nina Daye - OHS"/>
Title of Proposed Course	<input type="text" value="AP Physics 2"/>
Department/Subject Area	<input type="text" value="Science"/>
Units of Credit	<input type="text" value="1"/>
Course Prerequisites	<input type="text" value="Common Core Math 1 & 2/AP Physics 1"/>


Principal's Signature

Date

1. In four-five sentences, explain the course as you wish for it to appear in the district's course guide.

Course Description:

AP Physics 2: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics.

2. What is the major justification for addition of this course?

The College Board is discontinuing the AP Physics B course after 2013-2014, and replacing it with AP Physics 1 & AP Physics 2. The curriculum has been focused and deepened.

3. Is this course in the *North Carolina Standard Course of Study*? YES NO

4. What is the anticipated/total enrollment for the course over a two-year period?

Include number of periods offered and students enrolled in each period.

1 Section/year at CRHS

5. How will the new class impact the current schedule and student/teacher ratio by period and department?

There should be no change from the present requirements.

6. What is the staffing plan? Estimate costs.

No additional staffing required. This course replaces 2nd semester of AP Physics B.



Initiative: Addition of Advanced Placement Physics I and Advanced Placement Physics II courses for the 2014-2015 school year.

Implementation Timeline and Budget Needed

2013-2014	Amount	Notes
<p data-bbox="138 919 649 1029">Addition of College Board Advanced Placement Physics I and Advanced Placement Physics II courses in 2014-2015.</p> <p data-bbox="138 1423 511 1455">No additional staffing required</p>	<p data-bbox="695 919 893 1150">Approximately \$90.00 for a textbook. Anticipate a section of 20-25 a semester.</p> <p data-bbox="695 1201 893 1432">AP audit: Teacher training approximately \$1,500.00 for training, airfare, lodging etc.</p>	<p data-bbox="928 919 1445 1108">College Board required that students have access to a college level text in their classroom. This is a required part of the AP audit. Teachers will need to attend a summer training with the College Board.</p>

Expected Results

- **Students have the time needed to explore and deepen understanding.**
- Splitting the AP Physics B course into two separate, full-year courses allows students to achieve in-depth understanding. They will have more time for hands-on explorations of physics content and inquiry labs. The full year also allows time for inclusion of physics content specified by state standards.

- Educators teach each course over a full academic year.
 - **AP Physics 1: Algebra-Based** is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.
 - **AP Physics 2: Algebra-Based** is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics.
- **A new curriculum framework clarifies what knowledge and skills students should demonstrate to qualify for college credit and placement.**

Evidence or Reasoning for this Recommendation

The College Board is discontinuing the AP Physics B course after 2013-2014, replacing it with AP Physics 1 and AP Physics II. The curriculum has been focused and deepened. We anticipate one section at CRHS/OHS each semester. That means one AP Physics I in the fall and one Physics II in the spring. Based on past Honors Physics numbers, potentially 25-30 in a section.