

RECEIVED

JAN 15 2015

KENTUCKY STATE UNIVERSITY
FACULTY SENATE
ACTION TRACKING DOCUMENT

RECEIVED SEP 24 2014

Kentucky State University
Office of the President
EFFECTIVE DATE: FALL 2015

Code: APC:14/15-01:AP Physics

- Origin:
- Academic Policies Committee
 - Budget and Academic Support Committee
 - Curriculum Committee
 - Executive Committee
 - Professional Concerns Committee
 - Senate Resolution
 - Other (specify) _____

Date Introduced: 9-15-2014

Date Last Revised: 9-16-2014

Description: The "College Board" has changed the "AP Physics B" Exam into two AP Exams: "AP Physics 1" and "AP Physics 2." This proposal will give students college credit PHY 207 for passing "AP Physics 1" with a 3 or better and will give students college credit PHY 208 for passing "AP Physics 2" with a 3 or better.

Key Words: AP Credit, Revision

I. Committee Approval: Date: 9-15-2014

Chairperson: Max Brown Date 9-17-14

II. Senate Action: Approved Disapproved Returned

Senate President: [Signature] Date 9/22/14

III. Provost/Vice President Academic Affairs: Approved Disapproved Returned

Provost/VPAA Signature: [Signature] Date: 1/18/15 ^{VPAA} _{et al}

IV. President: Approved Disapproved Returned

President: [Signature] Date: 1-19-15

Distribution:

- President
- Vice President for Academic Affairs
- Registrar
- Faculty Senate President for Distribution to:
- Committee Chair
- Senate Office Records
- Faculty Handbook
- Other: _____



ACADEMIC POLICY COMMITTEE
NEW PROPOSAL

ACADEMIC UNIT: MASC

DATE PREPARED: 9-4-2014

PRIMARY AUTHOR(S): Max Brown

1. DESCRIPTION OF CHANGE:

The "College Board" has changed the "AP Physics B" Exam into two AP Exams: "AP Physics 1" and "AP Physics 2." This proposal will give students college credit PHY 207 for passing "AP Physics 1" with a 3 or better and will give students college credit PHY 208 for passing "AP Physics 2" with a 3 or better.

2. STARTING WITH: (Excluding exceptional circumstances proposals will take effect Fall of the following year).

X Fall, ___ Spring, ___ Summer, 2015 Year

3. CURRENT POLICY: (Please See Current Catalogue, Faculty Handbook...)

KSU Bulletin 2014-2015 page 92:

Music Theory	3 MUS 112, 113	4
Physics B	3 PHY 207 or PHY 208	8
Physics C: Electricity & Magnetism	3 PHY 212	5
Physics C: Mechanics	3 PHY 211	5

4. PROPOSED CHANGES:

Students will receive college credit for PHY 207 for passing "AP Physics 1" with a score of 3 or better and students will receive college credit for PHY 208 for passing "AP Physics 2" with a score of 3 or better.

The new Bulletin will read:

Music Theory	3	MUS 112, 113	4
Physics 1	3	PHY 207	4
Physics 2	3	PHY 208	4
Physics C: Electricity & Magnetism	3	PHY 212	5

5. EXPLANATION AND JUSTIFICATION FOR REQUESTED CHANGE:

The College Board is replacing the “AP Physics B” exam with two new exams “AP Physics 1” and “AP Physics 2.” Students who pass these exams should receive college credit for these courses.

From: <http://media.collegeboard.com/digitalServices/pdf/ap/ap-course-exam-descriptions/ap-physics-1-and-ap-physics-2-course-and-exam-description.pdf>

Guided by the National Research Council and National Science Foundation, the AP® Program collaborated with college and university educators and AP teachers to develop two full-year AP Physics courses — AP Physics 1: Algebra-Based and AP Physics 2: Algebra-Based, replacing the former one-year AP Physics B course. The AP Physics 1 and 2 courses focus on the big ideas typically included in the first and second semesters of an algebra-based, introductory college-level physics sequence and provide students with enduring understandings to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills, as defined by the AP Science Practices. Students will cultivate their understanding of physics and science practices as they explore the following topics:

AP Physics 1

- Kinematics
- Dynamics: Newton’s laws
- Circular motion and universal law of gravitation
- Simple harmonic motion: simple pendulum and mass-spring systems
- Impulse, linear momentum, and conservation of linear momentum: collisions
- Work, energy, and conservation of energy
- Rotational motion: torque, rotational kinematics and energy, rotational dynamics, and conservation of angular momentum
- Electrostatics: electric charge and electric force
- DC circuits: resistors only
- Mechanical waves and sound

AP Physics 2

- Thermodynamics: laws of thermodynamics, ideal gases, and kinetic theory
- Fluid statics and dynamics
- Electrostatics: electric force, electric field and electric potential
- DC circuits and RC circuits (steady-state only)
- Magnetism and electromagnetic induction
- Geometric and physical optics
- Quantum physics, atomic, and nuclear physics



132 Carver Hall
400 East Main Street
Frankfort, Kentucky 40601
WWW.KYSU.EDU

**DIVISION OF MATHEMATICS
AND SCIENCES**

September 16, 2014

Academic Policy Committee

Faculty Senate

Kentucky State University

Committee Members:

I approve of the AP Physics Proposal submitted by Dr. Max Brown to take effect in the Fall of 2015.

Yours Truly,

Fariba Bigdeli-Jahed, Ph.D., Chairperson

Division of Mathematics and Sciences

