

**PHYSICS CLUSTER MINUTES**  
**Wednesday, August 19, 2015 10:45-11:15 AM**  
**Lake Worth Campus Room NS 124**

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**ITEM I. Eliminate Astronomy AST1003 and AST1004 from the School Curriculum**

**Discussion:**

During the cluster meeting on 3/26/15, the physics cluster voted to remove of AST1003 and AST1004, from the school curriculum and these classes will no longer be offered at any campus. The cluster subsequently learned that this would require action on the part of the Office of the Vice President of Academic Affairs.

**Action:**

The physics cluster again voted unanimously to remove AST1003 and AST1004 from the curriculum. Cluster Chair Andrew Trupin and Carlos Ramos will submit the appropriate documentation to the Office of the Vice President of Academic Affairs to have the classes removed.

**OTHER. There being no other business to discuss the meeting was adjourned at 11:15 AM.**

Attendance : Andrew Trupin, Steven Stemle, Jerry O'Brien, Lilian Jordan, Marie Grasso, Jeffrey Sundquist, Oleg Andric, William Miner, Jang-Young Bang, Roxana Melendez

Submitted by:

Gerald O'Brien

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Scribe

## TEXTBOOK ADOPTIONS for the Academic Year – 2015-2016

### Descriptive Astronomy

**Course Title and Number:** Descriptive Astronomy – AST 1002

**Current Textbook:** Astronomy: A Beginner's Guide to the Universe by Chaisson & McMillan, 7<sup>th</sup> Edition, ISBN-10 0321815351 / ISBN-13 978-0-321-815354

**Publisher:** Addison-Wesley    **Copyright:** September 2012

**First Semester for Current Edition:** Fall 2012

**Last Semester for Current Edition:** Unknown

*Textbook used by Professor Lilian R. Jordan only*

**Course Title and Number:** Descriptive Astronomy – AST 1002

**Current Textbook:** Discovering the Essential Universe by Commins, 3<sup>th</sup> Edition, ISBN 071674595X

**Publisher:** W. H. Freeman    **Copyright:**

**First Semester for Current Edition:** Fall 2005

**Last Semester for Current Edition:** Unknown

This supplement may be required by Professor Lilian R. Jordan

**Course Title and Number:** Descriptive Astronomy – AST 1002

**Supplement:** Lecture-Tutorials for Introductory Astronomy by Prather, Slater, Adams, and Brissenden, 2<sup>nd</sup> Edition, ISBN 9780132392266

**Publisher:** Addison-Wesley    **Copyright:**

**First Semester for Current Edition:** Fall 2008

**Last Semester for Current Edition:** Unknown

### Planetary Astronomy

Class discontinued by Physics Cluster 3/26/2014

**Course Title and Number:** Planetary Astronomy – AST 1003

### Stellar and Galactic Astronomy

Class discontinued by Physics Cluster 3/26/2014

**Course Title and Number:** Stellar and Galactic Astronomy – AST 1004

### Earth Science

**Course Title and Number:** Earth Science – ESC 1000

**Current Textbook:** Earth Science by Tarbuck, Lutgens, and Tasa, 14<sup>th</sup> Edition, ISBN-10 (soft cover version): 978-0-321-92809-2

**Publisher:** Pearson/Prentice Hall    **Copyright:** 2012, 2015

**First Semester for Current Edition:** Fall 2014

**Last Semester for Current Edition:** Unknown

Earth Science (Study Guide available but not required)

**Course Title and Number:** Earth Science – ESC 1000

**Study Guide:** Study Guide by Hatfield and Pinzke, 13<sup>th</sup> Edition, ISBN-10: 0321714857 / ISBN-13: 9780321714857

**Publisher:** Pearson/Prentice Hall    **Copyright:** 2012

**First Semester for Current Edition:** Fall 2011

**Last Semester for Current Edition:** Unknown

*Textbook required in Professor Jeffrey J. Sundquist's face-to-face class; optional for other sections.*

**Course Title and Number:** Earth Science – ESC 1000

**Current Textbook:** Applications and Investigations in Earth Science by Tarbuck, 2<sup>nd</sup> custom edition for Palm Beach State College, ISBN-10: 1256067032/ISBN-13: 9781256067030

**Publisher:** Pearson/Prentice Hall    **Copyright:** 2012

**First Semester for Current Edition:** Fall 2011

**Last Semester for Current Edition:** Summer 2014

Descriptive Geology

**Course Title and Number:** Descriptive Geology – GLY 1000

**Current Textbook:** Earth: An Introduction to Physical Geology by Tarbuck, 11<sup>th</sup> Edition, ISBN 13: 978-0-321-81406-7

**Publisher:** Pearson/Prentice Hall    **Copyright:** January 2014

**First Semester for Current Edition:** Fall 2013

**Last Semester for Current Edition:** Unknown

Introduction to Oceanography

**Course Title and Number:** Introduction to Oceanography – OCE 1001

**Current Textbook:** Invitation to Oceanography by Paul R. Pinet, 7th Edition, ISBN 13: 978-1284057072

**Publisher:** Jones and Bartlett Learning

**Copyright:** 2014

**First Semester for Current Edition:** Fall 2015

**Last Semester for Current Edition:** Unknown

## Applied Physics

**Course Title and Number:** Applied Physics – PHY 1001

**Current Textbook:** *Physics Principals with Applications*, by Douglas Giancoli, 7<sup>th</sup> edition, ISBN 10:0321625927; ISBN 13:878-0321625922

**Publisher:** Pearson/Prentice Hall    **Copyright:** 2014

**First Semester for Current Edition:** Spring 2014

**Last Semester for Current Edition:** Unknown

## General Physics with Calculus I

**Course Title and Number:** General Physics with Calculus I – PHY 2048

**Current Textbook:** Physics for Scientists and Engineers by Serway & Jewett, 7<sup>th</sup> Edition, ISBN 0495747173 (customized version of the 7<sup>th</sup> edition for PBSC – Palm Beach State College)

**Publisher:** Cengage Learning    **Copyright:** 2008

**First Semester for Current Edition:** Fall 2008

**Last Semester for Current Edition:** Unknown

### *For Professor Jang-Young Bang classes:*

## General Physics with Calculus I

**Course Title and Number:** General Physics with Calculus I – PHY 2048

**Current Textbook:** No Required Textbook; Free courseware will be used

**Publisher:**    **Copyright:**

**First Semester for Current Edition:** Fall 2015

**Last Semester for Current Edition:** Unknown

## General Physics I and General Physics with Calculus I Laboratory

**Course Title and Number:** General Physics I and General Physics with Calculus I Laboratory – PHY 2048L

**Current Laboratory Manual:** [Physics Laboratory Experiments](#) by Wilson, 6<sup>th</sup> Edition, ISBN 0618382593, ISBN 0618564276 (customized edition used at the Boca Raton campus)

**Publisher:** Houghton-Mifflin    **Copyright:** 2005

**First Semester for Current Edition:** Fall 2006

**Last Semester for Current Edition:** Summer 2010

**Course Title and Number:** General Physics I with General Physics with Calculus I Laboratory–PHY 2048L

**Current Textbook:** PHY 2048L Lab Manual, *Fourth Edition*, by Carlos F. Ramos, ISBN 978-1-4652-4801-5

**Publisher:** Kendall Hunt Publishing Company

**Copyright:** 2009, 2011, 2013, 2014

**Note:** This textbook is not required for Prof. Jang-Young Bang's classes.

**First Semester for Current Edition:** Fall 2011

**Last Semester for Current Edition:** Unknown  
**General Physics with Calculus II**

**Course Title and Number:** General Physics with Calculus II – PHY 2049  
**Current Textbook:** Physics for Scientists and Engineers by Serway & Jewett, 7<sup>th</sup> Edition, ISBN 0495747173 (Customized version of the 7<sup>th</sup> edition for – Palm Beach State College)  
**Publisher:** Cengage Learning **Copyright:** 2008  
**First semester for Current Edition:** Fall 2008  
**First semester for Current Edition:** Unknown

***For Professor Jang-Young Bang classes:***  
**General Physics with Calculus II**

**Course Title and Number:** General Physics with Calculus II – PHY 2049  
**Current Textbook:** No Required Textbook, Free Courseware will be used  
**Publisher:** **Copyright:**  
**First semester for Current Edition:** Fall 2015  
**First semester for Current Edition:** Unknown

**General Physics II and General Physics with Calculus II Laboratory**

**Course Title and Number:** General Physics II and General Physics with Calculus II Laboratory – PHY 2049L  
**Current Laboratory Manual:** [Physics Laboratory Experiments](#) by Wilson, 6<sup>th</sup> Edition, ISBN 0618382593, ISBN 0618564276 (customized edition used at the Boca Raton campus)  
**Publisher:** Houghton-Mifflin **Copyright:** 2005  
**First Semester for Current Edition:** Fall 2006  
**Last Semester for Current Edition:** Summer 2010

*Note: Professors at the Lake Worth campus use the manual below.*

**Course Title and Number:** General Physics II with General Physics with Calculus II Laboratory – PHY 2049L  
**Current Textbook:** PHY 2049L Lab Manual, *Fourth Edition*, by Carlos Ramos, ISBN 978-1-4652-4802-2  
**Publisher:** Kendall Hunt Publishing Company  
**Copyright:** 2009, 2011, 2013, 2014  
**Note:** This textbook is not required for Prof. Jang-Young Bang's classes.  
**First Semester for Current Edition:** Fall 2011  
**Last Semester for Current Edition:** Unknown

## General Physics I

**Course Title and Number:** General Physics I – PHY 2053

**Current Textbook:** Physics by Cutnell & Johnson, Volume One, 8<sup>th</sup> Edition, ISBN 9781118306321 (customized version of the 8<sup>th</sup> edition for PBSC – Palm Beach State College)

**Publisher:** John Wiley & Sons. Inc.     **Copyright:** 2012

**First Semester for Current Edition:** Fall 2012

**Final Semester for Current Edition:** Unknown

## General Physics II

**Course Title and Number:** General Physics II – PHY 2054

**Current Textbook:** Physics by Cutnell & Johnson, Volume Two, 8<sup>th</sup> Edition, ISBN 9780470379257 (paperback)

**Publisher:** John Wiley & Sons. Inc.     **Copyright:** 2009

**First Semester for Current Edition:** Fall 2009

**Final Semester for Current Edition:** Summer 2012

## Physical Science for Today's World

**Course Title and Number:** Physical Science for Today's World – PSC 1341

**Current Textbook:** Conceptual Physics by Hewitt, 12<sup>th</sup> Edition, ISBN 13: 978-0-321-909107

**Publisher:** Paul Hewitt/Addison Wesley     **Copyright:**

**First Semester for Current Edition:** Fall 2015

**Last Semester for Current Edition:** Unknown

**Workbook:** Practicing Physics

ISBN: 13:978-0-0321-66256-9

### ***For Professor Jang-Young Bang classes:***

**Course Title and Number:** Physical Science for Today's World – PSC 1341

**Current Textbook:** Conceptual Physics by Hewitt, 12<sup>th</sup> Edition bundled with “Mastering Physics” online, ISBN 13: 978-0-321-909107

**Publisher:** Paul Hewitt/Addison Wesley     **Copyright:** 2014

**First Semester for Current Edition:** Spring 2015

**Last Semester for Current Edition:** Unknown