

PHYSICS CLUSTER AGENDA/MINUTES
Friday, August 19, 2016 11:00-12:00 PM
Lake Worth Campus Room NS 124

ITEM I. Prof. O'Brien will no longer be the cluster scribe. A new scribe for the physics cluster will be needed starting the spring semester 2017:

Discussion: A request was made for a replacement scribe and no one offered.

Data/data source: (where appropriate)

Action: No action was taken to replace the cluster scribe and this topic will be revisited during the October 2016 Development day cluster meeting.

ITEM II. During the Cluster meeting on January 4, 2016 there was a proposal to eliminate the cluster meeting at the beginning of the spring semester due to the lack of issues needing discussion:

A motion was made by physics cluster chair, Prof. Trupin, to eliminate the physics cluster meeting at the beginning of the spring semester. The motion was passed unanimously. This recommendation will be passed on to Dean Ramos for his opinion.

Discussion: Professor Ramos followed up on this request and told us that we do not need to have a cluster meeting at the beginning of the spring semester if there are no agenda items for the cluster. However, the cluster will need to submit minutes stating that no cluster meeting was held due the lack of agenda items.

Action: Information regarding the physics cluster meeting on the first day of the spring semester will be emailed to all cluster members prior to the scheduled day of the meeting.

ITEM III. A question was raised regarding observations and evaluations of adjunct professors in lab settings.

Discussion: Are adjunct professors observed with regard to the appropriateness and quality of the labs they are teaching? There are some concerns that adjunct professors are doing labs with their classes that are too simplistic and some adjunct professors are not using textbooks approved by the cluster.

Action: It was suggested by the cluster that these concerns should be addressed to the department chair on their campus. And, adjunct faculty should be reminded to use textbooks and lab resources that have been approved by the full time faculty in the cluster.

ITEM IV. Current Textbook Adoptions for 2016 – 2017

TEXTBOOK ADOPTIONS for the Academic Year – 2016-2017

Descriptive Astronomy

Course Title and Number: Descriptive Astronomy – AST 1002

Current Textbook: Astronomy: A Beginner's Guide to the Universe by Chaisson & McMillan, 8th Edition, ISBN-13:978-0-134-08770-2

Publisher: Pearson **Copyright:** September 2017

First Semester for Current Edition: Fall 2016

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, 14th 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, 13th 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

For Professor Jang-Young Bang Earth Science classes:

Course Title and Number: Earth Science – ESC 1000

Current Textbook: Earth Science plus Mastering Geology with e-Text –Access Card Package by Tarbuck, Lutgens, and Tasa, 14th Edition,
ISBN: 10: 0321934431 or ISBN: 13: 9780321934437

Publisher: Prentice Hall **Copyright:** 2015

First Semester for Current Edition: Fall 2014

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, 2nd 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, 11th 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

or

Course Title and Number: Descriptive Geology – GLY 1000

Current Textbook: Earth: An Introduction to Physical Geology by Tarbuck, Lutgens and Tasa, 12th Edition,
ISBN 13: 978-0-13407425-2

Publisher: Pearson/Prentice Hall **Copyright:** January 2017

First Semester for Current Edition: Fall 2016

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 for Professor Jang-Young Bang classes:

Course Title and Number: Applied Physics – PHY 1001

Current Textbook: *Physics Principles with Applications, Books a la Carte Plus Mastering Physics eText – Access Card Package.* by Douglas Giancoli, 7th edition, ISBN 10:0321929012; or ISBN 13: 9780321929013

Publisher: Addison - Wesley **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, 7th Edition, ISBN 0495747173 (customized version of the 9th 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, 6th 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, 9th Edition, ISBN 0495747173 (Customized version of the 7th edition for – Palm Beach State College)

Publisher: Cengage Learning **Copyright:** 2008

First semester for Current Edition: Fall 2008

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, 6th 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 1, 10th Edition, ISBN

9781119091547 - PDF version, vol 1 and vol 2 combined

9781119091578 - PDF version vol 1 only

(customized version of the 10th edition for PBSC w/ webassign access code)

Publisher: John Wiley & Sons. Inc. **Copyright:** 2015

Course Title and Number: General Physics I – PHY 2053 (Prof. Jang-Young Bang)

Current Textbook: No textbook is required. Students may use Openstax, any algebra based physics textbook, or any of the recommended textbooks by the professor to enhance their learning.

General Physics II

Course Title and Number: General Physics II – PHY 2054

Current Textbook: Physics by Cutnell & Johnson, Volume 2, 10th Edition, ISBN

9781119091547 - PDF version, vol 1 and vol 2 combined (if purchased previously in phy 2053 – do not need to purchase again)

9781119091592 - PDF version vol 2 only

(customized version of the 10th edition for PBSC w/ webassign access code)

Publisher: John Wiley & Sons. Inc. **Copyright:** 2015

Physical Science for Today's World

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

Current Textbook: Conceptual Physics by Hewitt, 12th 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

For Professor Jang-Young Bang classes:

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

Current Textbook: Conceptual Physics by Hewitt, 12th Edition bundled with “Mastering Physics” online, ISBN 978-0-32193578-6

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

First Semester for Current Edition: Spring 2015

Last Semester for Current Edition: Unknown

OTHER: There was no other business. Meeting was adjourned at 12:00.

Attendance: Jerry O'Brien, Steve Stemle, William Miner, Lily Jordan, Marie Grasso, Jang-Young Bang,
Roxana Melendez, Oleg Andric, Andy Trupin

Submitted by: Gerald O'Brien, Scribe: _____