

PHYSICS CLUSTER MINUTES
Wednesday March 26, 2014 1:00-4:00 PM
Lake Worth Campus Room NS 124

ITEM 1: Cluster Assessment Packets

Discussion:

Professor Trupin opened the meeting with a brief discussion of the Learning Outcome Assessment packets to be completed. He indicated that his opinion was that we need to review the assessments for each course learning outcome(s) as a means of improving any weaknesses that may be apparent. He provided examples of completed assessment packets for AST 1002. He then suggested that individuals work on the assessment packets, then email our packets back to him for editing and then finalize the packets to be forwarded to the Office of Institutional Research and Effectiveness (IRE).

Professor Trupin also indicated that there were already suggested changes to one of the PHY 1001 assessment questions and one of the OCE 1001 questions. These changes would be included in the packets for each of these courses.

Action:

The assessment packages were assigned as listed here:

A. Trupin:	AST 1002, PHY 2054
L. Jordan:	PHY 2048, PHY 2049, PHY 2053
W. Miner:	PSC 1341
G. O'Brien	ESC 1000
S. Stemle	GLY 1000

The assessment packets will be returned to Professor Trupin for editing and then finalized for submittal to the Office of Institutional Research and Effectiveness by April 25.

ITEM 2: Textbooks

Discussion:

A discussion concerning the textbook(s) for PHY 1001 focused on the need to switch from the current book by Giancoli (*Physics Principals with Applications*) to the textbook by Gunderson. Professor Jordan indicated that an adjunct professor voiced concerns that the Giancoli textbook includes the use of trigonometry but trigonometry is not a prerequisite to take this course whereas the Gunderson textbook would be a better choice because it does not use trigonometry. Another textbook by Wilson that has some trigonometry use but less than the Giancoli textbook was also considered. Following discussion that supported this view by Professors Andric, Jordan, Trupin and Miner it was suggested that both textbooks be available for use by the adjunct faculty.

An inquiry was made about a textbook for AST 1003 and AST 1004 and whether these courses are actually being offered. Professor Ramos indicated that he would make inquiries to the Boca campus where AST 1003 was on the Fall 2014 schedule.

Action:

After consulting with Professor Ramos about allowing two textbooks for PHY 1001 it was decided by the cluster that the Giancoli book would remain as the only assigned text.

With regard to the AST 1003 and AST 1004 courses - Professor Ramos indicated that he consulted with the Department Chair at the Boca Raton campus and discovered that AST 1003 had been offered in recent semesters but has had very little interest and is normally dropped. Therefore, it was decided by a unanimous vote that both courses (AST 1003 and AST 1004) would no longer be offered at any campus.

The Hewitt textbook, Conceptual Physics, edition 11, will remain the required textbook for the PSC 1341 course.

For ESC 1000 the 14th edition of Tarbuck and Lutgens, Earth Science, textbook will be the assigned text for ESC 1000 beginning in the Fall of 2014. Professor Stemle expressed an interest in using the McConnell and Steer textbook, The Good Earth, for either a GLY 1000 or ESC 1000 course in the Spring 2014 semester but would not make a change for the coming Fall 2014 term.

No other textbook changes were considered.

Other:

No other business was discussed and the meeting was adjourned.

ATTENDANCE: Oleg Andric, Wawaise Schmidt, Lilian Jordan, Marie Grasso, Jerry O'Brien, Andy Trupin, Jeff Sundquist, William Miner. Rachelle Grein and Steve Stemle

Submitted by:

Steven Stemle

[name], Scribe

c. Minutes Distribution List

TEXTBOOK ADOPTIONS for the Academic Year – 2014-2015

Descriptive Astronomy

Course Title and Number: Descriptive Astronomy – AST 1002

Current Textbook: Astronomy: A Beginner's Guide to the Universe by Chaisson & McMillan, 7th 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, 3th 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, 2nd 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, 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

Study Guide (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

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

Introduction to Oceanography

Course Title and Number: Introduction to Oceanography – OCE 1001

Current Textbook: Invitation to Oceanography by Paul R. Pinet, 6th Edition, ISBN 13: 978-1284040739

Publisher: Jones and Bartlett Learning

Copyright: 2013

First Semester for Current Edition: Fall 2012

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, 7th 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 Scientist and Engineers by Serway & Jewett, 7th Edition, ISBN 0495747173 (customized version of the 7th 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

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

Notes: Professor Richard S. Fleisher at the Lake Worth campus uses his own handouts. Other Professors at the Lake Worth campus use the manual below.

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

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 Scientist and Engineers by Serway & Jewett, 7th Edition, ISBN 0495747173 (customized version of the 7th edition for PBSC – Palm Beach State College)

Publisher: Cengage Learning **Copyright:** 2008

First semester for Current Edition: Fall 2008

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

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, 8th Edition, ISBN 9781118306321 (customized version of the 8th 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, 8th 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, 11th Edition, ISBN 13: 978-0-321-56809-0

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

First Semester for Current Edition: Fall 2010

Last Semester for Current Edition: Unknown

Workbook: Practicing Physics

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