ITEM #1. General Education Imbedded Assessment Spring 2015 Updates

Discussion:
- On 3/25 Cox emailed the form that lists the required updates.
- Suggestions, if needed, to guide the discussion and decisions are included on the form.
- Benchmark = _____% of students that earn _____ score on the assessment for a given class
  - Cluster committees must fill in the blanks for each course
  - Ex. 70% of students should score a 3 or more points (out of 5) for College Algebra
- Committees need to formulate a plan for giving the assessments in Fall 2015
  - When will problems be given? (on tests during the semester / on the final exam)
  - What we will do and why
- Committees should discuss changes for Fall 2016
  - Outcome changes
  - Question changes
- Current questions will be given again in Fall 2015
- Any changes will be made March 2016 for Fall 2016

Action:
- Cluster members should make sure that their name is listed under any committees in which they would like to participate. The committee list is on the Math Cluster folder on the computer network.
- There is currently a chairperson listed for each committee but please make changes as each committee sees fit.
- Each committee should fill out the update form for their course and send to Cox via email.
- Cox will return the form to the Office of Institutional Research and Effectiveness by April 30, 2015.

ITEM #2. Should MAT1033 be a prerequisite for MGF1106, MGF1107 and STA2023? (Cox)

Discussion:
- This item is for students that do not take a placement test
- Many colleges in Florida are changing pre-requisite math courses. Right now, PBSC requires MAT 1033 (or sufficient placement scores) as a pre-req for MGF1106, MPGF1107, STA2023 and MAC1105.
- The cluster voted to keep MAT1033 as a pre-req for MGF1106, MGF1107 and STA2023.
• All “non-exempt” students would continue to use placement scores as governed by law.
• (Burkett) The administration did not accept the cluster’s proposal to offer a “1033-type” course that could be a prerequisite for Statistics and MGF 1106.
  o Other Florida state colleges offer introduction to Statistics courses.
  o Some colleges (including Valencia) require MGF 1106, 1107 or MAC 1033 as prerequisites for Statistics.
• Rosenthal has done some research on various Florida state schools and found that many are offering Pre-Stats courses under various numbers.
  o Each class has a note that students should not take the course if their major requires MAT 1033.

Action:
• Rosenthal has emailed Cox with information on different colleges’ Pre-Stats courses.
• Burkett and Rosenthal will pursue more information on possible prerequisite courses to replace MAT 1033 for some courses and explore other possible pathways as introduction to courses. They will present these to the cluster in the fall.

ITEM #3. Changes to Intermediate Algebra for the fall (Berthiaume)

Discussion:
• MAT1033 and MAT1033L will now be merged into one 4-credit course with the new course number MAT 1033C.
• Worksheets & class participation will still be a component of MAT1033C.
  o The administration has made it clear that they do not want the math faculty to use the extra hour for more lecture time.
  o As listed on the first page of the new syllabus, “MAT1033C is a course that combines classwork with at least 50 minutes of in-class guided practice each week to help develop critical thinking and problem solving strategies.”
• MAT1033C will automatically replace a failing grade in MAT1033.
  o It will not automatically replace a failing grade in MAT1033L.
  o Students that failed 1033L (lab) will need to go to the registrar after they pass 1033C and request that the grade for 1033C replace the grade for the lab. *See the first Action item below.
• This summer will be the last chance for students to take the MAT 1033L course to forgive a failing lab grade. Student Services is aware of this and will address the issue with students. (Burkett)
• Pearson will be on the Boca campus on 4/10 from 9 to 11am to show anyone interested how to set up “adaptive learning” in their courses.
  o For 1033, students will take a diagnostic test at the beginning of the semester and students will have remedial type problems added to homework assignments based on how they did on diagnostic.
  o Adaptive learning can be implemented in any course in MML. In general,
    ▪ Students will take a quiz.
    ▪ The problems on the quiz that are not done correctly will be part of each student’s homework assignment.
    ▪ Other questions can be added to all students’ homework assignments.
• Learning Catalytics = like clickers
  o Problems already in MML or professors can create their own
  o Use on any “smart” device that connects to the internet
  o Grades uploaded to MML gradebook automatically
- The diagnostic test will now be on MyMathLab.
  - Students will not be able to work on any other assignments until they complete the diagnostic.
  - Concepts done incorrectly on the diagnostic will be added to the homework assignments on which that concept is necessary. It was brought up that this might not be possible but we will find out from Pearson at the presentation on 4/10, make necessary changes, and let the cluster know.

Action:
- Gingras and Burkett will contact registrar to find out whether a failing grade for MAT 1033L will be able to be replaced by a passing grade in MAT 1033C.
  - If this is possible, Cox will inform registrar that students will be making this request and that it should be granted.
  - MAT1033L professors should then let their current students and summer students know that once they pass 1033C, they will need to make a grade change request to the registrar if they do not pass the lab.
  - MAT1033C professors should put on their syllabus that students will need to make a grade change request to the registrar if they did not pass the lab in a previous semester.
  - Department chairs will need to give this information to adjuncts.
- Berthiaume has emailed the new syllabus template with necessary and optional information to the cluster on 3/28/15. He will also put the syllabus template on the Math Cluster folder.

ITEM #4. Reducing class size for MAT1033 & MAT1033L (Gingras)

Discussion:
- Proposal went before the Dean’s Council
- No response right now
- The current trend is not to reduce class size
- This topic can be brought up again if it is turned down
- We will know soon for the fall term

Action: Gingras will let the cluster know when a response from the Dean’s Council has been made

ITEM #5. Math Awareness Week readiness on each Campus (Chairs of committees)

Discussion:
- Lake Worth (Thomassan)
  - Math professors all have a MAW poster in their mailbox. Please hang poster somewhere visible to students.
  - Authors Larson and Hornsby will be presenting.
  - There will be a problem of the day contest.
- Boca (Rogers)
  - Same authors as Lake Worth
  - All events will be in HT-103 ABC
  - There will be food at events
  - There will be a career panel
- Palm Beach Gardens (Piccolino)
  - Games and poetry
  - Professors will be taking MAT 1033L classes to events
  - Einstein’s chauffer will speak
  - Events will be in Melvin lecture hall
o Julie Miller will present on Mathematics and Literature
• Belle Glade (Pennea)
  o The Student Learning Center is in charge
  o MAW will be Math Awareness Day

Action: None

ITEM #6. Textbook Update (Chairs of Committees: Graziose, Librun, Piccolino)

Discussion: Graziose: Essentials of College Algebra, 11th Ed., Margaret Lial, John Hornsby, David Schneider, Callie Daniels, 2015, Pearson,
ISBN 9780321912251  text only
ISBN 9780321199911  MyMathLab standalone code with ebook
Librun: Calculus, 10th Ed., Larson/Edwards, Cengage

Hardbound Textbook Only
9781285057095  net $214.50

Calculus 9781305654402  (Loose Leaf Textbook) Net: $187.00
Enhanced WebAssign Printed Access Card for Calculus, Multi-Term Courses 9781285858265
Net $93.75
Bundle: Calculus, 10th + Enhanced WebAssign Homework and eBook LOE Printed Access Card for Multi Term Math 9781285338231
Net: $234.50

Bundle: Calculus, 10th + Enhanced WebAssign Single-Term LOE Printed Access Card 9781305246003
Net: $219.5

Piccolino: MAC 1140/MAC 1114 Algebra & Trigonometry, 10th ed. by Michael Sullivan
ISBN 9780133935585  hardcover text bundled with MyMathLab
ISBN 9780321199911  MyMathLab standalone code with ebook
ISBN 9780321998590  text only

Action:
• Chairs will send ISBN to Cox by Monday 3/30
  o There should be a number for Textbook and web component (MML or WebAssign) and one for just the web component
• Cox will send to cluster

ITEM #7. An update on Discrete Math course MAD2104. (Graziose)

Discussion:
• Nothing new to report
• The course is currently being taught on the FAU campus
• We will not offer it at PBSC right now

Action: None

ITEM #8. Extra Credit for MAT1033 (Wilson) and the Final Exam (make-up policy)

Discussion:
• Professors should give a maximum of 25 extra credit points for the course. The number of total points for the course is 900.
• A Student’s final exam grade (percentage) will replace their lowest test grade if that results in a higher overall average. The final exam grade will not be dropped.
• Three types of final exam (with different versions of each) will be created for the fall semester.
  • All Multiple Choice
  • All Free Response
  • Part Multiple Choice and part Free Response
    o All exams will consist of the same questions
    o Full-time and adjunct professors will decide which type to use in their class
    o There will be 33 problems on the new exam (the current exam has 25)

Action: The Intermediate Algebra committee will make modifications to the current MAT 1033 final exam before fall 2015

ITEM #9. MATH JAM (Basant, Wilson)

Discussion:
• The Lake Worth campus will pilot summer courses (1 or 2 credit) that will serve as by-passes for Intermediate Algebra and Developmental Algebra
• Summer Quest will select the students
• Student Services will pay for students’ tuition for the program
• A passing grade will allow students to go directly into College Algebra or Intermediate Algebra
• Cluster voted to give support to the idea

Action: None

ITEM #10. New Cluster Chair (Cox)

Discussion: It was the decision of the cluster for Cox to continue to be the chairperson for the 2015-2016 school year and for Berthiaume to continue to be the scribe.

Action: None

ITEM #11. Math Course Learning Outcomes (Gingras)

Discussion: Cluster needs to decide which General Education and Institutional Learning Outcomes are supported in each of our courses.

Action:
• Gingras and members of the PBG math department will meet and make recommendations for each course.
• The recommendations will be emailed to the cluster for modifications and a vote to accept.

In Attendance:
Cluster Chair: Dr. Eugenia Cox
Scribe: Scott Berthiaume