

## **Minutes**

### **Mathematics Department Meeting, Florida South Western State College**

Dr. Ivana Ilic, Mathematics Department Chair

March 15, 2019

9:45-11:00 am

Location: Lee U-102, Charlotte E-105, Collier A-103, Hendry/Glades A-106

<b>Faculty</b>	<b>Present</b>	<b>Absent</b>	<b>Excused</b>		<b>Present</b>	<b>Absent</b>	<b>Excused</b>
Cheban Acharya	X			Ivan Melendez	X		
Tatiana Arzivian	X			Kristi Moran	X		
Rona Axelrod			X	Douglas Nering	X		
Cynthia Baker	X			Cindy Quehl			X
Patel Bharatkumar			X	Donald Ransford	X		
Karen Buonocore	X			Joseph Roles	X		
Mark Cevallos	X			John Salem	X		
James Chan	X			Elizabeth Schott			X
Jennifer Chesnutt	X			Sandra Seifert	X		
Michael Chiacchiero	X			Christine Smith	X		
Tina Churchill	X			William Stoudt			X
Sabine Eggleston	X			Marjorie Thrall Moller	X		
Laurice Garrett	X			Terry Zamor	X		
Rebecca Gubitti	X			Jaime Zlatkin	X		
Beverly Hall	X			Kristina Platt	X		
Ivana Ilic	X						
Bertram Lawrence	X						
David Licht	X						
Kelsea Livingstone	X						
Douglas Magomo	X						

The Mathematics Department Chair called the meeting to order at 9:45 am.

- I. Adoption of Agenda (D. Licht) Approved
- II. Approval of Minutes with changes (D. Ransford, J. Roles)
  - a. Professor Sabine Eggleston suggested we make the word change (VI #2) for the new parking spots from the "East" side of building U to the "West" side.
  - b. Don Ransford suggested that we change (XXV #1) "If it is an objective then it has to go to the Curriculum Committee" to "If it affects the topic outline up to and including item III in the syllabus then it has to go to the Curriculum Committee."
- III. Accomplishments:
  - a. Professor Sandra Seifert successfully defended her dissertation for her PhD.
  - b. Professor Licht reported that the Trigonometry final exam was proofed by Professor Bert Lawrence, Professor Cheban Acharya and Professor Bob Patel and the same mistake was found and corrected by all three.
  - c. Professor Licht had a 13<sup>th</sup> grandchild, 14<sup>th</sup> on its way.

- d. Pi Day from 9:30-12:15 on the Charlotte Campus with over 100 students participating reported by Professor Smith.
  - e. Pi Day was successful on the Hendry-Glades Campus reported by Professor Seifert.
  - f. Spring 2019 Open House on all campuses were successful.
  - g. Professor Ilic thanked everyone who participated in Pi Day and Spring 2019 Open House.
- IV. Commencement
- a. Remember to rent your regalia, if you need to, (March 22 due date) faculty may contact Laura Jensen in the bookstore.
  - b. Professor Baker will carry the Gonfalon for Commencement – (all in attendance approved except one who was opposed)
- V. MAC1114 – Trigonometry – Reported by Professor David Licht
- Syllabus changes to be made (changes are underlined and in italics): (a.) Evaluate trigonometric functions *and inverse trigonometric functions related to* special angles given in degrees and/or radians without a calculator. (b.) Evaluate trigonometric functions and inverse trigonometric functions related to an angle given in degrees *and/or* radians by using a graphing calculator. (d.) Add/or (n.) Add to list of competences “Apply trigonometry to solve real world problems.” Approved as changed.
- Professor Ransford commented that these changes also have to go before the Curriculum Committee as an information item and will help Professor Licht complete the necessary forms.
- VI. Summer workshop for K-12 mathematics teachers: Professor Ransford is bringing up the idea for Summer Training Program for High School and Middle School Mathematics Teachers (FEE grant) to provide professional development for local teachers. We have a lot of topics we could include from our Best Practices, changes in education, guidance counseling, the Common Core and possible future changes at the state level, improving instruction. Professor Hall suggested that we limit ourselves to working with high school teachers, maybe in a week long course, such as Statistics, or AP courses. There is a need to educate high school teachers in areas that are coming into high school curriculum. Faculty volunteering to be on the Summer workshop for K-12 mathematics teachers committee are: Professors Cevallos, Ilic, Zlatkin, Gubitti, Smith, Churchill, and Hall.
- VII. Professor Ransford is on the Mathematics Redesign Committee for the Florida Student Success Center.
1. The documents that the subcommittees produce will go to the Department of Education (FL) in June. There is poor course counseling of students. There are vague course descriptions at the state level so colleges have differences in their curriculum. There are no curriculum checks for the colleges. Should courses have pathways such as: Calculus for Engineers or Calculus for the Sciences?
  2. How many states out of the 50 require two mathematics courses for graduation? Professor Ransford said it was reported that not many states have that requirement for graduation. Professor Moran added that the state of Connecticut requires two mathematics courses. Professor Ransford questioned whether we should require one in mathematics and one in quantitative reasoning. Other professors discussed that they had to have two math courses in their course of study.

3. Professor Baker discussed that many high school students are underprepared when entering college. Some of them are in her MAT 1033 courses. For some students this is their second time in MAT 1033. More students need go back and take MAT 0057. Professor Hall said that some students are being poorly counseled. She has a student in Pre-Calculus who completed College Algebra with a "C", and he/she was placed in Pre-Calculus for second mathematics course. Student is not pursuing a STEM program and has no need for Pre-Calculus. Professor Hall suggests that we need to either better educate our present counselors or we need to do the mathematics counseling ourselves. Professor Hall mentions that Broward Community College has mathematics professors doing the counseling. Professor Gubitti commented that counseling topic has been up for discussion previously.
- VIII. MAT 0057 Mathematics for College Success changes for Fall 2019- reported by Professor Buonocore
1. Rewriting final exam is in progress and professor Buonocore suggests placing it in Canvas (two versions) rather than using a paper test with scantrons. The Assessment Office can pull the data for analysis from Canvas. Professor Moran reminded her that questions and answers can't be shuffled for analysis.
  2. Students will take a preliminary quiz to help them get used to taking assessments on Canvas. Faculty will proctor the in class final exam. Faculty may have option to use classroom management software on the teacher's computer for screen observation of students' computers (availability of software needs to be checked with IT).
  3. Change in Percent grade: Previously- 30% Final, 5 Tests 40% total, 10% Quizzes, \_\_ Homework, \_\_% Attendance, 5% Discretion  
Proposed: 25% Final, 5 Tests 45% Total, 10% Quizzes, Homework 10-15%, 5-10% Attendance (no % at instructor's discretion)
  4. Motion to approve moving the final exam to Canvas (D. Licht) approved  
Motion to change percent for grades (S. Seifert, D. Licht) approved
- IX. STA2023 Statistical Methods I Online Course Pilot using Newton-Alta-+ OpenStax- Professor Axelrod has been piloting a new Statistics Course and she will continue to pilot it in the Fall 2019 with Professor Arzivian. She (though absent) gave us an information sheet with pros and cons.
- X. MAC1105 College Algebra topics and objectives- Professor Cevallos, MAC 1105 course coordinator, gave report and suggested some updates for MyLabsPlus master course:
1. To add solving systems of linear equations in three variables.
  2. To keep the same topics but cover more depth than what is currently in Mylabsplus. FGCU covers the entire textbook for MAC1105.
  3. To add problems such as solving equations that are quadratic in form by using substitution method. This would be a better preparation for MAC 1140 Pre-Calculus Algebra course.
  4. To cover more in depth graphing of piecewise functions.
  5. These changes are not in the Final Exam, but are in the proposed Mylabsplus master course.

6. Professor Ransford suggested that we might want to meet with FGCU's mathematics department in the future to discuss topic alignment and a particular degree like the Actuarial Degree.
- XI. Retirement Party on April 14<sup>th</sup> at Professor Licht's home. Email invitation already sent out. Please reply.
  - XII. Old Business:
    1. Preparation for Summer 2019- Course coordinators are asked to finish the changes to MyLabsPlus master courses and notify Professor Eggleston so she can notify IT.
    2. Final Exams – Course coordinators are asked to get Spring 2019 Exams to Professor Moran so she can send those out to instructors.
    3. MAT1033 Canvas online course shell is almost done for Summer 2019.
  - XIII. New Business:

Professor Eggleston reported that Pearson is willing to roll back the cost of MLP for the Statistics and College Algebra Courses so that the total price will go back to \$100.75. Pearson representative has changed.
  - XIV. Adjournment