

*Minutes*

**Mathematics Department Meeting, Florida SouthWestern State College**

Dr. Ivana Ilic, Mathematics Department Chair

February 14, 2020 9:00 AM – 11:00 AM

Location: Lee U-102, Charlotte O-118, Collier A-103, Hendry/Glades A-114

Faculty	Present	Absent	Excused	Faculty	Present	Absent	Excused
Cheban Acharya	X			Ivan Melendez	X		
Tatiana Arzivian	X			Cecilia Mendell	X		
Rona Axelrod	X			Kristi Moran	X		
Karen Buonocore	X			Douglas Nering	X		
Mark Cevallos	X			Bharat Patel	X		
James Chan	X			Cindy Quehl	X		
Michael Chiacchiero	X			Donald Ransford	X		
Tina Churchill	X			Joseph Roles	X		
Sabine Eggleston	X			John Salem	X		
Laurice Garrett	X			Elizabeth Schott	X		
Rebecca Gubitti	X			Sandra Seifert	X		
Beverly Hall	X			Christine Smith		X	
Ivana Ilic	X			William Stoudt	X		
Bertram Lawrence	X			Dimitry Yusin	X		
David Licht	X			Terry Zamor	X		
Kelsea Livingstone	X			Duval Zephirin	X		
Douglas Magomo	X			Jaime Zlatkin	X		
Daniel Marulanda	X						

- I. Adoption of Agenda: Call to order 9:04 am Dr. Ilic. Adoption of Agenda Elizabeth Schott and David Licht.
- II. Approval of Minutes: Motion to approve as presented, Donald Ransford second David Licht
- III. Success and Accomplishments: Science Olympiad 1/25/20 at FSW: Ivana Ilic and Cheban Acharya hosted the CodeBusters cryptography event. Cheban Acharya, Bharat Patel and Ivana Ilic judged the categories for the Thomas Alva Edison Kiwanis Regional Science & Engineering fair.  
 \*\*\* Thank you to Laurice Garrett, this is her last department meeting and her 33.3 years of service to the department, students and community. We all wish her the best in her future retirement.
- IV. Unfinished business from previous meeting-Ransford:

- a. FSW mathematics department technology-related policy Don Ransford: This topic has to be tabled again as Don has several items on his plate, anyone interested in taking on task Don would share data and information.
- b. FSW mathematics sequence of courses; coordinating with advising (placement).

Discussion: Don lead a discussion that a possible 5 credit course MAC 1106 - Combined College Algebra/Pre-Calculus be brought back to schedule for STEM students that would shorten their pathway and bridge the overlap between MAC 1105 College Algebra and MAC 1140 Pre-Calculus courses. There should be more discussion on STEM/non STEM pathways. Discussion on various scenarios for both, and the possible pathways.

There are some students who do not take MAT 1033 Intermediate Algebra before MAC 1105 College Algebra and have a difficult time in this progression and raises a concern of not keeping MAC 1140 Pre-calculus Algebra as separate course. It was stated this course would be intended for the STEM focused student. This course was on the schedule as course MAC 1106 - Combined College Algebra/Pre-Calculus previously. Discussion: if students take this course would there be a shift away from MAC 1147. Need to review the transfer of the course to FGCU.

Don: This model still keeps MAC 1105 and MAC 1140 and students could take them separately if they are not prepared. The discussion is to add MAC 1106 so there is an option for a shorter completion time for STEM major.

Concern brought forward that students are not getting correct placement in mathematic courses. Don suggested to invite Associate Director, Academic Advising, Career and Transfer Services to department meeting to have discussion with advising regarding concerns that are seen with mathematics. It was suggested by a faculty that if the student is not committed to a path, they could be placed in a non-stem path such as MAT 1100 not MAT 1033.

Daniel Marulanda volunteered to meet with advising, suggested also to volunteer for orientation with advising to increase student awareness of pathways.

Elizabeth Schott suggested creation of a Canvas course that has all information (related to Mathematics courses) for advisors and students, and that can be updated by the Mathematics Department and it is sustainable over time.

Sabine Eggleston suggested that this may be an issue to be brought to the Faculty Senate, possibly a liaison for the departments to work with both advising.

After discussion Department is not prepared yet for a proposal for MAC 1106, it was planned to schedule a meeting to discuss the topic separately then a proposal will be brought back to the floor. Faculty should email Ivana interest in participating in meeting and Don will take the lead on the meeting.

V. MyLabsPlus: future status and availability; preparation for Summer 2020 courses-Eggleston

Meeting 2/3/20 between Pearson, FSW leaders, FSW IT/eLearning and FSW Mathematics faculty. Discussion about the possible implementation strategies for Pearson MyLab & Mastering. Pearson plans to sunset MyLabsPlus in Fal 2021 and not to support it after that time. The department needs to change what product we will be using moving forward.

MyLab Math was discussed. It can be integrated with Canvas directly and grades will sync. It would provide a single sign on for students. Pearson stated that the price would not exceed current price. Some faculty have used MyLab Math in the past. The control of the course would be through Canvas. There is no temporary pass, student must pay for access. If we continue with Pearson, they would need time to prepare transition to MyLab Math from current MyLabsPlus courses.

Discussion on alternative platforms: This would be the time to consider other possibilities such as OER and other platforms. Some of the platforms have direct integration with Canvas and offer single fee for the platform.

Items of discussion: If faculty is teaching several different courses it would be challenging to use several platforms. Discussion: high number of adjuncts teaching at FSW, we need to provide them with a quality course, tools for success and consistency. This could be challenging with multiple platforms for different classes.

Affordability is a consistent issue on Student Opinion Surveys (SOS) conducted. Transferring grades has been done effectively by faculty with excel spreadsheets which are relatively simple to create, discussion if this is/or not important factor for platform. \*Summer 2020 courses will use MyLabsPlus due to the short decision time to make changes. Direct integration cannot be considered for Summer 2020 but for Fall 2020 may be possible. This could be done in steps rather than all courses at once. Department can keep the same textbooks and use a different platform.

\*Course coordinators stated no changes in the courses for the Summer 2020 and they can be rolled “as is”.

VI. Online platforms –Livingstone, Churchill; Community of Best Practice in Mathematics  
Information brought back from JMM regarding online platforms will be presented

VII. Course materials: MAC 2233, MAC 1140/1114/1147:

Michael Chiacchiero Business Calculus: four options reviewed; Pearson and Hawkes Learning: best platforms. Discussion: Daniel Marulanda is developing the online MAC 2233 course which needs to be completed by end of March. He would like to use online version of textbook and pilot it in the Summer, then moving to the same platform for the Fall 2020 for ground classes.

The committee prefers Hawkes Learning textbook and courseware, support excellent, textbook is good, and the integration works well. This would be a good pilot for a new platform and the group agreed. The textbook: Essential Calculus – D. Franklin Wright, Spencer P. Hurd, and Bill D. New, 2nd Edition. Publisher is Hawkes Learning. Faculty teaching Business Calculus Kelsea, Bill, Mike, and Daniel all in favor of new platform for online Summer 2020 and for Fall 2020 classes.

\*Motion by Don Ransford for the use of Hawkes Learning textbook and courseware mentioned above to be used starting from the Fall 2020 in MAC 2233 Calculus for Business I course, second by Kelsea Livingstone and William Stoudt. All in favor, none opposed no abstentions.

Department also supported use of the same textbook and courseware for the online MAC 2233 Calculus for Business and Social Sciences I course during Summer 2020.

VIII. Placement testing; Accuplacer-Denise Swafford, Director, Testing Services:

FSW one of first three State Colleges to implement Accuplacer. FSW started using the Accuplacer on 2/10/20. FSW scores in similar range except MAC 1105 where our score is 263 and the next highest was 260. We had students going to FGCU to take the test as we were only giving PERT, we now offer the Accuplacer. A student has a total of three attempts on placement testing. Data will be gathered after a year to see how we are placing PERT vs Accuplacer, we will be able to review and see what needs to be adjusted. Thank you to faculty for taking the test and deciding on placement scores. The MAT 1033 bypass will still be the PERT until we get data and we are more comfortable with the new test.

IX. General Education competencies-Ransford

Provost asked for faculty to review and update competencies stated in the syllabi. Special meeting to discuss the topic is planned on April 30, 2020. We are being asked to go back and look at these and decide what we want to be assessed on what is critical and what is

supplemental. What are students learning when they are taking general education classes. Coordinators will need to review and submit information regarding this. Questions from the Provost office will be addressed in this meeting. \*Volunteers to attend the meeting on 4/20/20, Donald Ransford, Ivana Ilic, Mark Cevallos, William Stoudt and Cheban Acharya.

X. Spring 2020 course level assessments – Cevallos

With no changes to Spring 2020 course level assessment, Mark will start collecting and sending out the final exams. Request was made to eLearning to copy MAT0057 Canvas final exam into courses. For online courses faculty can copy from previous semester course (from Fall 2019) as long as you are using the newest version. If you need it copied into your course, you need to submit a request to eLearning and they will assist.

Sabine – Will there be changes to the online Trigonometry exam? Department will keep exam the same unless there is a significant issue found in the data once become available.

XI. Student success and assignments completion – Hall

Discussion: Faculty finding that online students are not taking their exams. Inconsistency in students attending class and not showing up for exams. There was a brief discussion of different faculty procedures on test retakes and the use of the testing center. Testing center can proctor a few make ups, however not a full class.

XII. Updates-Ransford:

a. Florida K-12 mathematics standards

In the process of writing the standards for the K-12 courses, Don will be contacting Mark to find a contact at the HS level.

b. Core General Education Mathematics Courses

We do not need to add the three additional courses to the core, previous suggestion to add courses to the core listings was repealed.

XIII. Professional development: StatPREP Workshop (May 29-May 30, 2020)

Rona – intended for mathematics faculty within two hours of FSW. Half day Friday and full day Saturday. Meals provided. Attendees will be reimbursed for miles and accommodations. There is link to apply for the workshop in the e-mail Rona sent. During the application process for the StatPREP Workshop applicants will be asked to provide a letter of support from the Dean.

XIV. Spring 2020 FSW Open House.

On each campus from 3-5 pm according to the following schedule: Charlotte and Hendry/Glades campuses on Monday, February 24; Lee campus on Tuesday, February 25; Collier on Wednesday, February 26. Dean sent e-mail to faculty to support event.

XV. Heartland STEM Forum Saturday, February 29th 9:30-3:40 PM

College experience day for high school students. Volunteers to host two hands on sessions in math/engineering. Each session last 1 hour 15 minutes and repeats four times. Two sessions for faculty to participate in the Heartland STEM forum. Faculty willing to lead sessions to reply to Dr. McClinton. Libby and Don have supplies and readymade activities for any volunteer looking to help.

XVI. Mathematics Department Get Together

FSW President and Provost have offered individual academic departments to reserve the President's Box for a "Department Get Together" night on given dates. Reservation is in place for "Department Get Together" night for FSW Mathematics Department on 2/19 @ 7:00p (Basketball - Men) FSW Basketball at one of four "Faculty Engagement Nights" in Spring 2020. please RSVP email back to [iilic@fsw.edu](mailto:iilic@fsw.edu) by Monday if you plan to attend. The space fits approximately 30-35 people hosted by the Provost.

XVII. Faculty Photo Day and FSW Expert Network – When: Friday, February 14th, 2020 | 8:30AM-4:00PM Where: Thomas Edison Campus | J-118; professional photo taken. Additional photo days will be scheduled on Hendry-Glades Center, Charlotte and Collier campuses and will be announced as soon as dates are confirmed.

XVIII. Committee updates –None

XIX. Faculty updates-None

XX. New business- None

XXI. Adjourn: Motion 10:58 am James second Kelsea.