Minutes

Mathematics Department Meeting, Florida SouthWestern State College

Dr. Ivana Ilic, Mathematics Department Chair

September 10, 2021 9:00 AM – 11:00 AM

Meeting location: Thomas Edison (Lee) Campus room U-102 and **Zoom** meeting

https://fsw.zoom.us/j/95093995131?pwd=Y25yYWZPT0E0aHBQNVZ0clNseWNVdz09

In attendance:

Faculty	Present	Absent	Excused	Faculty	Present	Absent	Excused
Cheban Acharya	x			Ivan Melendez	x		
Tatiana Arzivian	x			Kristi Moran	x		
Rona Axelrod	x			Bharat Patel	x		
Karen Buonocore	x			Cindy Quehl	x		
Robert Cappetta	x			Donald Ransford	x		
Meghan Carlson	x			Joseph Roles	x		
James Chan	x			John Salem	x		
Michael Chiacchiero	x			Elizabeth Schott	x		
Tina Churchill	x			Sandra Seifert	x		
Kelsea Cid	x			Christine Smith	x		
Sabine Eggleston	x			William Stoudt	x		
Rebecca Gubitti	x			Dimitry Yusin	x		
Ivana Ilic	x			Terry Zamor		x	
David Licht	x			Duval Zephirin	x		
Douglas Magomo	x			Jaime Zlatkin	x		
Daniel Marulanda	x						

Dr. Martin McClinton, Interim Dean, School of Pure and Applied Sciences and Vice Provost, Academic Affairs visited the meeting during second part. Adjunct mathematics faculty Evguenia Conner joined the meeting. Timothy Bishop, Faculty Librarian, Communication and Engagement attended the first part of the meeting to give the presentation on new Library Services.

I. Meeting called to order at 09:04 AM.

II. Adoption of Agenda. Motion to adopt Agenda David Licht, second Elizabeth Schott. Agenda adopted as presented (all in favor, none opposed, no abstentions).

III. Approval of Minutes: August 18, 2021 minutes approved as presented.

IV. Success and Accomplishments

Daniel Marulanda shared pictures of his new born son. Congratulation Marulanda family!

David Licht reported that MyLab Math works well and transition went smoothly.

Sabine Eggleston reported that MyLab Math Grade Sync feature works now, the earlier reported issue was fixed. Sabine informed faculty that she has completed DEV 101 course.

Shared on the slides: Fall 2021 Department Fair event Monday, August 23rd – Welcome Back Bash with Department Fair took place on Lee Campus 9am – 2pm; faculty participated: Elizabeth Schott, Douglas Magomo, Cheban Acharya, Ivana Ilic.

V. FSW Library Services- Timothy Bishop, Faculty Librarian, Communication and Engagement informed faculty that FSW Library has launched eReserves project at FSW Libraries.

eReserves project: Fall 2021 students can access digital versions of eReserve titles 24/7 (for a three-hour period) for those textbooks placed on reserve by faculty.

Faculty complete an eReserves Request Form and provide the Library with a copy of the title. Receipt of both the completed form and textbook will enable FSW Library to proceed with digitizing /scanning the textbook, and to efficiently track reserve copies.

Once a digital version is uploaded to the eReserves title list, faculty can post the link (https://researchguides.fsw.edu/eReserves) to their Canvas courses. Students can select the appropriate eReserve title, and read online via a downloadable MyDocs PDF viewer application.

Library also provide research instructions and other services.

VI. Assessment Coordinator Announcements – Kristi Moran:

- The AY 2021/2022 Gen Ed Assessment Plan will focus on “Think” and “Investigate”: no mathematics courses are up for possible sampling.
- Lead Scorer Position: in preparation for the spring portion of Gen Ed assessment we’ll be nominating a “lead scorer” for each department/discipline chosen to submit assignments. This person will act as the go-to authority for any questions

concerning assignments and how they should be scored. Members of LAC can volunteer for the role, or can seek colleagues from within their departments to participate in this role. Outside participants will receive the stipend historically given out.

- September and October PD Fridays: Team AASPIRE and Elijah Pritchett will host a series of PD events in September and October. The two September sessions will be a review of last spring's Gen Ed work, with one session focusing on "Evaluate," the other on "Communicate." The October PD events will look ahead to spring 2022's work, with one focusing on "Investigate," the other on "Think." The September sessions will be of special interest for people who submitted assignments last year to see how they were assessed and how they fit with the gen ed competencies; the October sessions will be of interest for anyone selected to submit an assignment for Gen Ed assessment this fall. Times for these PD sessions are:
- Friday, 9-24-2021 Reviewing "Evaluate": Analyzing Results of General Education Assessment, AY 20/21 – 9AM-10:45 AM
- Reviewing "Communicate": Analyzing Results of General Education Assessment, AY 20/21 – 1:00 PM- 1:45 PM
- Friday, 10-29-2021 Assessing "Investigate": Preparing for General Education Assessment in AY 21/22 -1:00 PM-1:45 PM
- Assessing "Think": Preparing for General Education Assessment in AY 21/22 -2:00 PM-2:45 PM
- Faculty can reach out to Elijah Pritchett or Joseph Van Gaalen for additional information about any of the above Assessment announcements.

- Course Level Assessment and Compliance Assist

  Spring 2021 course level assessment reports for Mathematics Department courses should be available to faculty to review. Kristi Moran, Learning Assessment Coordinator is completing Compliance Assist records. Any changes in

course assessment goals should be reported to Kristi Moran to update that in Compliance Assist.

- Departmental Final Exams: In order to have departmental final exams distributed to faculty, exams should be ready November 1st for distribution to faculty on November 15th and should be ready on April 1st to be distributed to faculty on April 15th.
- David Licht has joined to Learning Assessment Committee. David has served in the past as scorer and recommends it to faculty as College Service.
- Course level assessment: Departmental Final Exams: New MAT 1033 Final Exam (online/ground) for Fall 2021-Cheban Acharya.

VII. MyLab Math- Sabine Eggleston

- MyLab Math integrating with Canvas is functioning well.
- MyLab Math access may expire in October/November for some students if they have entered the MyLab Math access code during Summer B semester. For those students Pearson will provide access code to extend access to MyLab Math. Sabine provided instructions how to identify which students will have MyLab Math access expired in October/November under *Course Details* and will inform instructors what the process will be for requesting MyLab Math access codes.
- Grade Sync issue that was reported has been reported to be resolved. Instructors should be able to sync grades from MyLab Math.
- MyLab Math access code is valid for the duration selected when purchased: 18 weeks vs. 24 months. MyLab Math access code does not need to be reentered when the access code is still valid. Validity of access code can span across multiple semesters and all courses that use the same textbook including courses that student retakes.

VIII. Canvas, Canvas Gradebook, Grade Sync

Canvas gradebook requirement: "The gradebook set up in Canvas should reflect the grading structure outlined in your syllabus and include a record for all assignment grades that contribute to the final course grade."

MyLab Math Grade Sync: enable auto sync to sync grades from MyLab Math into Canvas. Assignments groups in Canvas weighted

IX. Survey: Recommendations for Alternative Methods to Assess College Readiness

"The Division of Florida Colleges is seeking recommendations from institutions regarding alternative methods for assessing college-level computation and communication skills in accordance with Senate Bill (SB) 366 that was passed during the 2021 Legislative session. Specifically, SB 366 amends multiple Florida Statutes to expand the mechanisms institutions may use to assess readiness for college-level work."

SB 366 requires the State Board of Education (SBOE) to adopt rules by January 2022 to develop and implement alternative methods for assessing computation and communication skills.

Survey: Looking for Recommendations for Alternative Methods to Assess College Readiness

Computation

Method Minimum Standard (e.g., Score, Grade, Level)

- PSAT/NMSQT

  24 (MAT 1033) /28.5 (MAC 1105) within last 5 years
- High School Algebra 2 / Algebra 2 Honors, High School Pre-Calculus, High School Calculus, AP Math Course, AICE Math Course, IB Math Course

  Grade B (MAC 1105) within last 5 years together with unweighted GPA 3.0
- In-House Instrument (Placement tests)

X. Mathematics Pathways- Libby Schott, Don Ransford, Tina Churchill, Kelsea Cid, Douglas Magomo

Recommendations (from last May):

- Immediate actions: using the current courses to recommend Mathematics Pathways that match FSW's Pathways, update placement, recommendations for Advising, creating/updating the Math Dept Website (with a maintenance plan)
- Near-term actions: Investigating streamlining the developmental course offerings, realignment of MGF 1106/1107 topics, realigning the STEM pathway

- Long-term actions: development of a new MGF course with focus on different topics that better support multiple pathways (under consideration at the state-level)
- Development of a Data Analytics AS Program: development of new courses to support a new program

• State recommends three Mathematics Pathways

• Changes expected to the MGF courses (realignment of topics), as well as MAC 1105 (new course or modeling focus re-design), as part of the state's recommendation

•Alternative Methods of Assessing College Readiness Survey

We expect recommended changes that will apply to all student enrollments/courses following survey results.

- Proposed Mathematics Pathways

<table>
<tr><th colspan="2">STEM
[IDS 1380 (3 credits)
Introduction to STEM]</th><th>Bridge from Non-STEM to STEM</th><th colspan="2">Mathematics Appreciation and Applications
[SLS 1515 (3 credits)
Cornerstone Experience]</th><th>Data Analysis
[SLS 1515 (3 credits)
Cornerstone Experience]</th></tr>
<tr><td colspan="2">MAC 1106 (4 credits)
College Algebra/Precalculus</td><td></td><td>MGF 1106 (3 credits)
Mathematics Appreciation</td><td>MGF 1107 (3 credits)
Mathematics Applications</td><td>MGF 1106 (3 credits)
Mathematics Appreciation</td></tr>
<tr><td colspan="2">MAC 1114 (4 credits)
Trigonometry</td><td>MAC 1140 (3 credits)
Precalculus Algebra</td><td colspan="2">MAC 1105 (3 credits)
Introduction to Mathematical Modeling</td><td>STA 2023 (3 credits)
Statistical Methods I</td></tr>
<tr><td colspan="2">MAC 2311 (4 credits)
Calculus with Analytic Geometry I</td><td></td><td colspan="2">MAC 2233 (4 credits)
Calculus for Business & Social Sciences I</td><td></td></tr>
<tr><td colspan="2">MAC 2312 (4 credits)
Calculus with Analytic Geometry II</td><td></td><td colspan="2"></td><td></td></tr>
<tr><td>MAC 2313 (4 credits)
Calculus with Analytic Geometry III</td><td>MAP 2302 (4 credits)
Differential Equations</td><td></td><td colspan="3">Education Pathway: MGF 1113 (3 credits) Mathematics for Teachers AND: MGF 1107 Mathematics Applications OR MAC 1105 Introduction to Mathematical Modeling OR STA 2023 (3 credits) Statistical Methods I</td></tr>
</table>

- Proposed prerequisite updates:

• MAT 0057: NONE

• MAT 1033: Prerequisites: MAT 0057 (with a "C" or better), or MAT 0058 (with a "C" or better), or MAT0028 (with a "C" or better), or Testing, or SB 1720 exemption, OR student must have completed two credits of high school math (including Algebra 1, Geometry) with a "C" or higher in last course.

• MAT 1100: MAT 0057 (with a "C" or better), or MAT 0058 (with a "C" or better), or MAT 0028 (with a"C" or better), or Testing, or SB 1720 exemption, OR student must have completed two credits of high school math (including Algebra 1, Geometry) with a "C" or higher in last course.

• MGF 1106 (3 credits) Mathematics Appreciation: (MAT 1033 Intermediate Algebra OR MAT 1100 Mathematically Literacy OR MAT 0057) with a "C" or better OR Testing OR A student must have completed three credits of high school math (including Algebra 1, Geometry, and 1 additional credit after Geometry) with a "C" or higher in last course in the last 5 years.

• MGF 1107 (3 credits) Mathematics Applications: (MAT 1033 Intermediate Algebra OR MAT 1100 Mathematically Literacy OR MAT 0057) with a "C" or better OR Testing OR A student must have completed three credits of high school math (including Algebra 1, Geometry, and 1 additional credit after Geometry) with a "C" or higher in last course in the last 5 years.

• MGF 1113 (3 credits) Mathematics for Teachers: Prerequisites: (MAT 1033 Intermediate Algebra OR MAT 1100 Mathematically Literacy OR MAT 0057) with a "C" or better OR Testing OR A student must have completed three credits of high school math (including Algebra 1, Geometry, and 1 additional credit after Geometry) with a "C" or higher in last course in the last 5 years. [Students cannot receive college credit for both MGF 1106 and MGF 1113.]

• MAC 1105 (3 credits) Introduction to Mathematical Modeling: (MGF 1106 Mathematics Appreciation OR MGF 1107 Mathematics Applications OR MAT 1033 Intermediate Algebra) with a minimum grade of a "C" OR a MAT 0057 with an "A" OR Testing.

• MAC 2233 (4 credits) Calculus for Business and Social Sciences I: (MAC 1105 or MAC 1106 or MAC 1140) with a minimum grade of "C", or appropriate CLM score.

• STA 2023 (3 credits) Statistical Methods I: MAT 1033 Intermediate Algebra OR MAT 1100 OR MGF 1106 with a "C" or better OR Testing OR completed a High School Statistics course with a "B" or better in the last 5 years.

TRADITIONAL/BRIDGE:

• MAC 1140 (3 credits) Precalculus Algebra: MAC 1105 with a minimum grade of "C" or appropriate CLM score

ACCELERATED:

• MAC 1106 (4 credits) College Algebra/Precalculus: MAT 1033 Intermediate Algebra with a minimum grade of a "B" OR High School Algebra 2 (or higher-level mathematic coursework) of "B" OR Testing.

• MAC 1114 (4 credits) Trigonometry: MAC 1106 College Algebra/Precalculus OR MAC 1105 Introduction to Mathematical Modeling OR MAC 1140 Precalculus Algebra with a minimum grade of "C", OR Testing.

• MAC 2311 (4 credits) Calculus with Analytic Geometry I: (MAC 1105 or MAC 1106 or MAC 1140) with a minimum grade of "C", or appropriate CLM score.

• MAC 2312 (4 credits) Calculus with Analytic Geometry II: MAC 2311 with minimum grade of "C" or permission of instructor

• MAC 2313 (4 credits) Calculus with Analytic Geometry III: MAC 2312 with minimum grade of "C" or permission of instructor

• MAP 2302 (4 credits) Differential Equations: MAC 2312 with minimum grade of "C"

- Shift in courses taught: less MAT 1033's and MAT 1100's and more MAT 0057's and MGF 1106's and 1107's; stop offering MAC1147, start offering MAC 1106.
- Establish Pathways Working Group to meet with all programs offered and verify Mathematics Pathways will enhance their program and the new FSW pathway the program falls under.
- Establish Calculator Committee: to analyze current course calculator requirements

Discussion took place. Several points were discussed:

- Florida State Recommendations for Mathematics Pathways and course sequences timeline and its impact on mathematics course offering and proposed pathways and course sequencing. "Senate Bill 366, which passed during the 2021 legislative session, modifies section 1007.23, Florida Statutes, to require the Statewide Articulation Agreement to establish three mathematics pathways for students by aligning mathematics courses to programs, meta-majors and careers. The bill stipulates a representative committee composed of State University System (SUS), Florida College System (FCS), and career center faculty shall collaborate to identify the three pathways and the mathematics course sequence within each pathway."
- Current mathematics course offering and sequences at Florida State University System (SUS), Florida College System (FCS) and seamless transfer of credits under proposed Mathematics Pathways.
- Number of MAT 0057, MAT 1033, MAT 1100 courses sections offering under proposed Mathematics Pathways and course sequencing.

- Impact of the proposed Mathematics Pathways and course sequencing on overall number of mathematics course sections offering, teaching load and scheduling.
- Proposed prerequisite for MAC 1105 (inclusion of MAT 0057 vs. MAT 1033)
- Legislative requirement for developmental education and impact on developmental mathematics courses offering.
- MGF 1108 - Honors Mathematical Ideas & Explorations, MGF 1113 - Mathematics for Teachers.

  Working group will provide additional information and bring to the department on the departmental meeting in October.

XI. eLearning- Daniel Marulanda and Dmitry Yusin

- Online course internal review: online mathematics master courses need to be reviewed, goal is to have all online courses QM certified.
- APPQMR Course -September 13 and 14, planned to be offered in November too.

XII. Spring 2022 Schedule

- Spring Schedule and Online Teaching Certifications - Important Dates.

  The required certifications by instructional modality with links to the enrollment request forms:

Instructional Modality	**Required Online Certification(s) with Links to the Enrollment Request Forms**
Traditional	No certifications required
Blended	Online Teaching Certification Enrollment Request AND Live Online Teaching Certification Enrollment Request
Live Flex	Live Online Teaching Certification Enrollment Request
Online	Online Teaching Certification Enrollment Request
Live Online	Online Teaching Certification Enrollment Request AND Live Online Teaching Certification Enrollment Request

Important Due Dates:	**To teach Spring 2022**
Recommended Enrollment Date	September 27, 2021
Certification Completion Deadline	October 25, 2021

Last Date of Facilitation	November 12, 2021
Facilitation Hiatus *Facilitation for Live Online and Online Teaching Certification courses end for the current semester*	November 13, 2021 - January 3, 2022

XIII. Course Level Assessment

- New MAT 1033 Final Exam (online/ground) for Fall 2021-Cheban Acharya

XIV. MAT 1033 Intermediate Algebra MyLab Math course -David Licht

Checking if specific course objectives are covered in homework assignments/quizzes in MyLab Math.

XV. StatPREP-Rona Axelrod

- Tuesday, September 21 at 3:00 pm ET

  StatPREP Webinar: Experiencing Sampling Variation Early and Often in an Intro Statistics Course. Presented by Professor Carol Howald, StatPREP Hub Leader, Howard Community College, Columbia, MD
- Wednesday, October 21 at 2:00 pm ET

  StatPREP Webinar: An Introduction to Confidence Intervals: An Interactive Webinar. Presented by Dr. Rona Axelrod, StatPREP Hub Leader, Florida SouthWestern State College, Fort Myers, FL
- Friday, May 20, 2022 and Saturday, May 21, 2022

  StatPREP Two Day In-Person Workshop @ FSW

  Registration information will be distributed during the Spring 2022 semester
- For more information: http://www.statprep.org/

XVI. ARC Grant AY 2021-2022 Information item.

"On behalf of the Provost's Office and the Academic Research Council, the Office of Sponsored Programs and Research (part of Team AASPIRE) is currently accepting applications for the second round of the AY 2021-2022 ARC Grant Awards (funding runs December 2021 through June 2022). The overview of the ARC Grant can be found at https://www.fsw.edu/facultystaff/ospr/arcgrant and is listed in brief below. Contact Dr. Joseph van Gaalen (joseph.vangaalen@fsw.edu) or Jessica Godwin

(jessica.godwin@fsw.edu) if you have any questions or challenges with your application. Applications are submitted digitally to Jessica Godwin (jessica.godwin@fsw.edu) and are due by Friday, November 5th, at 4:30p.m."

XVII. Math Center Orientation Fall 2021- Information item.

Orientation delivery methods are as follows:

- Video version of Math Center Orientation https://youtu.be/Npx8-vN9Kz4
- Live orientation via Zoom to your class. This can be scheduled on any day and time and works like in-person presentation. If you would like to schedule a Zoom orientation, contact sandy.sardinas@fsw.edu.
- In-person orientations on a limited basis due to space and staffing constraints.
- If you would like to bring your class to the Math Center or have an Instructional Assistant visit your classroom, please contact sandy.sardinas@fsw.edu

QLess is used and live Zoom consultations, and will accommodate student requests for "tabletop" tutoring.

For more information about locations and hours visit page: https://www.fsw.edu/academicsupport/math

XVIII. Community of Best Practices-Mathematics Focus

Title: Trick or Treat! Tricks (for MyLab Math) and Treats (Learning Catalytics) For Engaging Students in a Mathematics Classroom

Time: 12:00 P.M. – 1:00 P.M.

Presenters: Sabine Eggleston, Kelsea Cid, Tina Churchill, Amanda Botts (Pearson), and Aaron Warnock (Pearson)

Description: In this session, Pearson will explore the Learning Catalytics feature in MyLab Math for the first half of the meeting. Afterwards, Kelsea, Tina, and Sabine will open the floor to discussion regarding ways of streamlining and best practices with the integration of MyLab Math. Zoom: https://fsw.zoom.us/j/84833896084

Faculty can register for this session through FSW Teaching and Learning Center Calendar.

XIX. Committee updates

XX. Faculty updates

Dmitry Yusin informed faculty that some dual enrollment students in his classes are waiting to receive MyLab Math access code from their schools. Now that 14 days grace period has expired for many of the students, access code is necessary to continue to access and complete the assignments. Sabine Eglleston advised to find out which high schools students attend. This information will be provided to Amanda Sterk, Director, Accelerated Pathways Program

XXI. New business

XXII. Adjourn 11:25 AM