

Department of Mathematics - Monthly Meeting

Spring 2019

May 3, 2019

9:00a.m. – 12:00p.m.

Pecan Campus Bldg. J Room 1.704

Agenda

- **Welcome**
 - **Old Business:**
 - Approval of April 2019 meeting Minutes
 - Monthly Activity Report/College Service* - Due this past week
 - Update from April 2019 Developmental Math meeting – Daniel A. Montez
 - JagPride reporting – Deadline to submit: May 17, 2019
 - PLO Math: 2414 and Math 2415
 - Core Objectives: Math 1332, Math 1442, and Math 2413
 - Shared Assessment Pool for Core Objective for Math 1442 – Dr. Hanan Amro
 - Volunteers for Math 2413, Math 1332 Core Objectives
 - **New Business**
 - Faculty Senate Votes – Congratulations: Dr. Hanan Amro
 - Co-Requisite Committees: 3 Developmental Math + 3 Academic Math Faculty
 - Division of Math & Science STEM Connection Magazine – Veronica Dominguez
 - ASCENDER Site Visit Update – Daniel A. Montez
 - ETS HEIghTen Outcomes Assessment – Todd Meisel & John Garcia
 - STC new Branding: Experience Exceptional
 - MSB Advising expectations for Faculty
 - Minimester courses* - Data report (NSF grant) + plan for Fall 2019 – Dr. Hanan Amro
 - UTRGV/STC Articulation Agreement Meeting
 - THECB Field of Study for Mathematics*
 - Promote MATH 2305 - Discrete Structures and MATH 2420 - Differential Equations in your Classroom
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- Distance Education Approval Form – Dr. Hanan Amro
- Unidos Contra Diabetes (UCD) + STC Bachelors MHSM partnership – Dr. Hanan Amro
- Spring 2019 Graduation Ceremonies – Faculty Contractual Attendance agreement
- Grade submission, gradebook, and Final exams are due by: Monday, May 20th
- College-Wide Curriculum Committee Update – Eric Garcia & Lily Rai
- Faculty Senate Update – Veronica Dominguez & Daniel A. Montez
- Professional Development
 - AMATYC Southwest Regional Conference; Frisco, TX; June 7-8, 2019
 - Blackboard (Bb) World; Austin, TX; July, 23-25, 2019
 - Wolfram U – Free Webinar Series*
- Potluck Lunch and Celebration
 - Spring 2019 Graduates
 - Rafael Chavarria

*Denotes a handout is included

Congratulations on your Retirement, Mr. Chavarria! We wish you all the best!

Next Meeting:

Summer I 2019: May 31st

Fall 2019: August 19th – Faculty Return/MSB Convocation

August 21st – Department of Mathematics meeting

“To see a World in a Grain of Sand and Heaven in a Wild Flower, Hold infinity in the palm of your hand and Eternity in an Hour.” -William Blake

Assistant Dean's Report, Math & Science

- Met with Biology, Physical Science Department Chair, and Dean of Dual Credit Programs and School Districts to discuss the Dual Enrollment related sections and initiatives, Apr 22.
- Attended the Retirement Ceremony to pay farewell tribute to a couple of our own faculty and others from the college, Apr 23.
- Finalized review of statement of equivalence, paired syllabi, and paired assessments for the Math & Science Division, Apr 22-23
- Attend Texas Pathway Institute # 6, Apr 24 - 26

Biology

- Many Biology faculties attended the Retirement Ceremony to pay farewell tribute to a couple of our own faculty and others from the college, Apr 23.
- Biology Faculty meeting with department lecturers to discuss their Fall2019 teaching capabilities, Apr 22, 23, 25, & 26.
- Biology chair met with the MSB Division to discuss the Dual Enrollment initiatives, Apr 22.
- Biology Chair met with Assistant chairs for the Biology Department to discuss the needs of the department and upcoming deadlines, Apr 25.
- Department chair and other members of the Sea Phage Grant met to discuss upcoming expectations of the grant and needed topics, Apr 26.
- New Faculty Committee met to discuss the onboarding process and capabilities to assist new Faculty in the department, Apr 26.
- Best Online Practice Committee met to Develop the Content page for Biology 1408, 1406, 1409, & 1407 and discuss the set-up and delegate responsibilities for the courses, Apr 26.
- Biology faculty will be recognized in the Texas Partners in Policymaking Rio Grande Valley Class of 2019, Apr 27.

Upcoming:

- Biology faculty will be presenting in the Rainbow room from 1pm-3pm a workshop on "Knockout Cancer Naturally", May 3.

Computer Science

- Program Chair and Assistant Program Chair met with CS Faculty to discuss professional development, Apr 22
- Program Chair attended the MSB Division Dual Enrollment Meeting, Apr 22
- Program Chair attended the Summer I, II & III Course Schedule Review Meeting, Apr 23
- Program Chair attended the Faculty Senate Meeting, Apr 23
- Program Chair attended the 2019 Recognition Ceremony for Retiring Faculty, Apr 23
- Program Chair, Assistant Program Chair and CS Faculty met via Blackboard Collaborate to work on Computer Science NACEP letter, Apr 23
- Program Chair worked on IE Plan for Computer Science, Apr 24-25
- CS Faculty met to review and modify COSC1320, Apr 26
- Program Chair and Assistant Program Chair attending the Spring 2019 Adjunct Faculty Job Fair, Apr 27
- Program Chair and Assistant Program Chair meeting with Dual Credit Faculty, Apr 27

Developmental Mathematics

- Developmental Math Representative attended College-Wide Curriculum Committee meeting, Apr 16

- Developmental Math Chair attended MSB Chair's meeting, Apr 17
- Developmental Math Chair attended RAND Budget Review and Discussion held by Samantha Uriegas – Grant Management and Compliance Officer II / Perkins Principal Investigator, Apr 17

Mathematics

- Assistant Chair reviewing application for Human Resource Lecturer position, Apr 21
- Faculty member looked and read the Excel sheet for QEP Distance Education Sub-Committee, Apr 22
- Assistant Chair met with Economics Instructor regarding the new grant "Project Coordinator" for UTRGV collaborative project, Apr 23
- Assistant chair reviewed faculty portfolios for CWACC, Apr 23
- Faculty member attended the "Hiring Committee Meeting", Apr 23
- A group of faculty members at Mid-Valley campus conducted a recruiting table, Apr 23
- Chair and assistant chair from academic and developmental met to work on Fall 2019 schedule, Apr 25
- Assistant chair attended Innovation Base Learning (IBL) college-wide committee meeting, Apr 25
- Chair and Assistant Chair interviewed dual credit faculty candidates, Apr 26
- **Upcoming**
- Assistant chair will attend a meet "UCD and STC meeting on Health Data", May 1
- Assistant chair will participate in selection of candidates for Human Resource lecture position, May 6
- Assistant chair will attend a meeting in UTRGV to begin working on CBE course for Early Childhood Education, May 10

Physical Science

- Department Chair, Biology Department Chair, and Computer Science Department Chair met with the Dean of Dual Enrollment and M&S Assistant Dean and discussed the issues concerning the Dual Enrollment courses, faculty assignments, and the laboratory material. Apr 22
- Department Chair, M&S Dean, M&S Assistant Dean, department staff, and engineering department faculty met and recognized Physics Workstudy for winning the Workstudy of the Year Award and participated in a PR Photo-session. Apr 23
- Department Chair and the Learning Outcomes Specialist search committee reviewed the applications. Apr 23
- Department Chair attended the Recognition Ceremony to honor the 2019 Retiring Faculty for their dedication to South Texas College. The ceremony was held on Tuesday, April 23, 2019, from 4:30 p.m. to 6:30 p.m. in the Rainbow Room, Pecan Campus. The participants in the ceremony celebrated the Champions of Student Success with friends and colleagues, and wished them well as they embark on a new chapter in their lives. Apr 23
- Department Chair organized the monthly department meeting. Apr 26



Ms. Berenice Padilla, Physics Workstudy, Recipient of Workstudy of the Year Award

Engineering Coordinator

- Engineering faculty member attended a conference call meeting with UTSA Associate VP of Strategic Enrollment to discuss the potential for developing a 2+2 transfer agreement for STC engineering students. The agreement may include the development of a pathway model similar to the TAMU Engineering Academies. A formal conference call meeting between the STC Engineering Program and the UTSA Associate Dean of Engineering will be scheduled during the month of May to discuss details. Apr 25.
- Engineering faculty member assisted the Dual Enrollment Academy program in reviewing 66 DEEA applicants. The review process consisted of evaluate essays, resumes, letters of recommendation, and transcripts submitted by each candidate

University Relations, Transfer and Articulation Center

- **College Visits This Week:**
 - UTRGV Transfer Admissions, Mid Valley Campus, Apr 23
 - TAMUK Education Program, Pecan Campus, Apr 23
 - TAMUK Education Program, Mid Valley Campus Apr 23
 - Wayland Baptist University, Pecan Campus, Apr 24
 - TAMUK Social Work Program, Pecan Campus, Apr 24
 - TAMUK Rio Grande Valley Engineering Initiative, Pecan Campus, Apr 24
 - Transfer Center Hours at the Mid Valley Campus, Apr 25
 - Grand Canyon University, Pecan Campus, Apr 25
- Attended the monthly meeting of Academic Council, Apr 22
- Participated in a meeting at UTRGV to discuss the possibility of an articulation agreement between our Culinary Arts program and/or the Hospitality AAS that is being developed, Apr 23
- Attended the RGV Lead P-16 Council and Counselor's Network meeting at UTRGV, Apr 24
- Coordinated with UTRGV regarding the Articulation Working Meeting scheduled for next week, Apr 25
- Coordinated with TAMUK on a workshop that they would like to hold on one of our campuses, Apr 25
- Attended the Service Awards Presentation at the Pecan Campus, Apr 26
- Upcoming Events:
 - **College Visits Next Week:**
 - UTRGV Transfer Admissions, Pecan Campus, Apr 29
 - Grand Canyon University, Pecan Campus, Apr 29
 - UTRGV College of Education and P-16 Integration, Pecan Campus, Apr 30
 - UTRGV Transfer Admissions, Pecan Campus, Apr 30
 - TAMUK Education Program, Mid Valley Campus, Apr 30
 - TAMUK Education Program, Pecan Campus, May 1
 - Wayland Baptist University, Pecan Campus, May 1
 - UTRGV One Stop Shop, Pecan Campus, May 1
 - Transfer Center Hours at Mid Valley Campus, May 2
 - **Transfer Information Sessions:**
 - April 29th
 - May 8th
 - May 16th
 - April 29: Tacking Transfer Taskforce Meeting
 - May 1: Articulation Meeting with UTRGV
 - May 6 and May 7: Inaugural Graduate School Fair

- May 10: Western Governor's University MOU Signing Ceremony
- May 20: 2nd Annual Transfer Summit
- October 14 to 16: Fall 2019 College Fair
- October 21 to 24: National Transfer Student Week

IMPORTANT MESSAGE FOR FACULTY

JagPRIDE Student Learning Outcomes reporting is **NOW OPEN** for the Spring 2019 session!

All faculty (full-time, adjunct, and dual enrollment) selected to participate in the process of assessing learning outcomes are required to submit, in the JagPRIDE Portal, their:

Program Learning Outcomes

- Activities
- Data Entry
- Data Analysis (Action Plans)
- Signature Confirmations

Core Objectives

- Activities
- Data Entry (Institutional Rubric)
- Signature Confirmation

by the following deadline:
Friday, May 17, 2019

Login portal: <https://jagpride.southtexascollege.edu>

Contact the Learning Outcomes Staff for assistance
by sending an email to pride@southtexascollege.edu
or by calling (956) 872-4411



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Good afternoon,

I hope you have had a great week and are preparing for an even better weekend. In preparation for the SACSCOC reaffirmation, a direct normed core objective assessment was selected to triangulate data in the areas of Critical Thinking and Communication. The licenses were recently acquired and the plan is to administer the pilot this semester with a follow up in the fall. Ideally, data would be collected on two groups of students per core objective. The first group, Pre, are students with up to 15 credit hours and the second group of students, Post, has 45 or more credit hours. The sample size is 379-400 students per group. With the limited time frame the numbers may be slightly less than the needed sample size.

Your assistance is needed to launch this project. Below is a list of the selected courses for the Pre and Post groups. Attached are the schedules for selected courses for both groups. Please discuss with faculty instructing the selected courses below and submit a list of the names of those who will administer the test. Once Esmeralda and I receive a list of faculty we can begin creating user access, cohorts, follow up for training and computer lab scheduling. Below are important dates and selected courses.

IMPORTANT DATES

- April 15, 2019 - Deadline for Chairs to submit faculty list
- April 22, 2019 - May 10, 2019 - Testing window, selected faculty will administer assessment

SELECTED COURSES - PRE GROUP		
(< or = to 15 credits)		
1.	EDUC1300	Learning Framework
2.	COSC 1301	Intro to Computing
3.	ENGL 1301	Composition I
4.	HIST 1301	United States History I
5.	MATH 1414	College Algebra
6.	PSYC 2301	General Psychology
7.	SPAN 2313	Spanish for Native

SELECTED COURSES - POST GROUP		
(> or = to 45 credits)		
1.	BIOL 1409	Biology for Non-Science Majors II
2.	CHEM 1412	General Chemistry II
3.	GEOL 1403	Physical Geology
4.	HIST 2321	World Civilizations II
5.	*MATH 1425	Calculus for Business and Social Sciences
6.	PHYS 1417	Physical Science II
7.	PSYC 2306	Human Sexuality
8.	*PSYC 2307	Adolescent Psychology
9.	SOCI 1306	Social Problems

*Not offered spring 2019

Thank you for your assistance on this important project.

Best Wishes,

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New and Enhanced Faculty Advising Training Content

The most updated version of the NEFA training consists of three modules that are split in three different sessions.

- In the first sessions participants are introduced to basic advising knowledge such as:
- **Curriculum Basics** – in this section participants are presented information about the different degrees the college offers and the difference between each one of them. Participants are walked through the definition of CT1, CT2, AA, AS, AAT, AAS etc. This section covers information about Core Curriculum completion and transferability of courses and curriculum changes.
- **TSI and Developmental Education plan:** this section is also covered during the first session of the training. Participants are presented with the definition of TSI and the different terminology in relation to such as “TSI liable”, “TSI complete”, “TSI exempt” etc. Participants are explained how the Developmental Education Plan has changed thorough out the years based on students’ needs as well as the newest developments.
- **Session 2:** this session is focused on campus resources for students/staff/faculty. Experts from the different departments that academic advisors collaborate the most with give a presentation detailing the services their departments provide. Departments that have presented at NEFA trainings range from Student Financial Services, Counseling and Disability Services, Library Services, Center for Learning Excellence, Student Rights and Responsibilities, Admissions and Records, Veteran Affairs, PASS, Assessment Office and the Police Department.
- **Session 3:** This session is “hands on”. Degree Works is covered in its entirety from accessing Degree Works, creating an Academic Plan, documenting an advising sessions and degree plan exploration. Participants are given time to “play” with Degree Works or even complete/create academic plans or notes with present student information. Participants that complete all 3 sections are given a certificate of completion at the end of the semester.

Here is a list of dates and locations for Degree Works workshops for spring 2019.

April 12, 2019 Starr County Campus 9:30 – 11:30 am

April 26, 2019 Pecan Campus 9:00 – 11:00 am

May 03, 2019 Technology Campus 9:00 -11:00 am

May 10, 2019 NAH Campus 9:00 – 11:00 am

Registration for these workshops is available through the Office of Professional Development webpage.

2019 FALL SESSIONS

AUGUST 26 - DECEMBER 13

MINIMESTER MATH CLASSES

- Take 2 eight week math classes
August - October
October - December
- Must be co-enrolled in both courses
- Must earn an "C" or higher in first course to continue on to second course
- SI leader will be provided

IMPORTANT DATES

August 26	Classes Begin
September 2	College Closed-Labor Day
September 20	College Closed-CW PD
November 15	Last Day to Withdraw
November 23-29	College Closed-Thanksgiving
Dec 9-15	Finals / End of Term

College Algebra + Pre-Calculus MATH 1414 & MATH 2412 Minimesters

25040	MATH1414 .PF4	MTWR 10:00AM 12:05PM PECAN
25041	MATH2412 .PF4	

Pre-Calculus + Calculus I MATH 2412 & MATH 2413 Minimesters

24901	MATH2412.PF1	MTWR 10:00AM-12:05PM PECAN
24902	MATH2413.PF1	
24903	MATH2412.PF2	MTWR 6:00PM-8:05PM PECAN
24904	MATH2413.PF2	

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MATHEMATICS FIELD OF STUDY CURRICULUM

Approved by the Board in January 2019

Next Scheduled Revision: Spring 2023

Prefix & Number	Course Name	Semester Credit Hours
MATH 2413	Calculus I	4
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
MATH 2318	Linear Algebra*	3
MATH 2320	Differential Equations	3
PHYS 2425 or PHYS 2325 and PHYS 2125	University Physics I plus lab	4
ENGR 2304 COSC 1336 COSC 1436 COSC 1337 COSC 1437 COSC 2336 COSC 2436 COSC 2325 COSC 2425	Choose Programming for Engineers, Programming Fundamentals I, or a course that includes Programming Fundamentals I as a prerequisite: <ul style="list-style-type: none">• Programming for Engineers• Programming Fundamentals I• Programming Fundamentals II• Programming Fundamentals III• Computer Organization	3
TOTAL		25

TOTAL: 26-32

*Some receiving institutions may prefer the 4 SCH version of Linear Algebra (MATH 2418) and Differential Equations (MATH 2320); however, the 3 SCH is fully transferable and must apply to the degree program. Students are encouraged to check the curriculum of the institution to which they plan to transfer.

Courses in the Field of Study must transfer at all Texas public institutions of higher education and must be applied to the student's degree program in Mathematics.

