El Camino College

#### **Division of Mathematical Sciences**

#### Flex Day Agenda – Spring 2016

#### January 14, 2016

- Start of Semester Prep
- Committee Updates
- Hiring Updates
- Grades and Documentation
- Calculators
- Start of Semester Prep
- Spring Evaluations
- Textbook Requisitions
- Protocol for Reporting Equipment Malfunctions
- AB 86 Adult Education
- Common Assessment Initiative
- Math 80 Challenge Exam
- Student Club Advisors
- Classroom Chair Formation Protocol
- Counselor Presentations
- Announcements
- SEP Data Activity

#### EL CAMINO COLLEGE MATHEMATICAL SCIENCES DIVISION FLEX DAY MEETING January 14, 2016

Present: Edwin Ambrosio, Eduardo Barajas, Michael Bateman, Lynn Beckett-Lemus, Susan Bickford, Carl Broderick, Susanne Bucher, Jeffrey Cohen, Jill Evensizer, Dominic Fanelli, Greg Fry, Milan Georgevich, Massoud Ghyam, Megan Granich, Hamza Hamza, Arturo Hernandez, Linda Ho, Anna Hockman, Judy Kasabian, Lars Kjeseth, Bob Lewis, Marta Maaza, Zach Marks, Art Martinez, Matthew Mata, Bonnie Mercado, Ashod Minasian, Benjamin Mitchell, Kaysa Moreno, Jasmine Ng, Catherine Schult-Roman, Aban Seyedin, Ambika Silva, Jacquelyn Sims, Satish Singhal, Ralph Taylor, Susan Taylor, Susan Tummers-Stocum, Lijun Wang, Paul Yun

#### **INTRODUCTIONS**

Linda Ternes is the new Associate Dean of Mathematics.

Edwin Ambrosio will be a temporary full-time instructor for Computer Science during the current semester.

Fareshta Nazif is the new student worker for the Math Division front office.

#### START OF SEMESTER PREP

Registration has been extended to midnight on 1/15/16. Recommendation to print out rosters after this date to ensure they are accurate and most up to date.

A list of open classes with five or more available seats was provided and will be posted throughout the building for students.

A few classes have been added to the schedule.

Two Math 73 hybrid courses were cancelled and replaced with one non-hybrid Math 73.

Instructors should distribute Add Codes as early as possible so students enroll before the deadline. Late add petitions are not generally approved.

Rosters should be reviewed on a regular basis to make sure students are using their Add Codes.

Most classes outside of large lectures and Computer Science labs have a capacity of 35 students, but no more than 40. For large lectures, maximum enrollment is 69 students.

#### **COMMITTEE UPDATES**

<u>DLOACC</u> - SLO reports are due by 2/5/16. Three are complete. Two PLO reports are incomplete and also due 2/5/16. S. Bucher will send out the TracDat training dates and a step-by-step process on how to enter reports. SLO coordinators should enter follow-ups on any action items. Course Coordinators should submit SLO questions by 2/5/16.

- Committee D SLO 4
- CM 2 SLO 1
- Engineering SLO 1 and PLO 1
- CS 12, 30 and 40 SLO 3

<u>DCC</u> – Python (CS 14) was approved as a new course. Instructors should be working on new course proposals during the spring semester in order to meet the curriculum calendar deadlines.

<u>CM 1 and Committee D</u> – Working on Program Review. Both committees have a meeting scheduled on 1/28/16 at 1pm.

<u>CM 2</u> – Working on SLO 1. The first meeting is 2/4/16. The second CM 2 meeting will be scheduled to discuss Honors Statistics.

<u>CM 3</u> – No updates.

<u>Tutoring Committee</u> – New tutor training will be on 1/22/16. The committee will be asking for volunteers.

#### HIRING UPDATES

The math hiring committee was formed. Applications are ready for review but the committee must first meet to discuss and approve interview questions before HR provides access to the applications.

The CS Department will put together a hiring committee.

Dean J. Sims recommends to have a math part-time hiring after the full-time screening is completed. The math part-time hiring committee is still considering when to post the position.

#### **GRADES AND DOCUMENTATION**

With the help of instructors who informed the division of students that were forecasted as passing but didn't, we discovered 75 students that were attempting to move on to next level of Math although they had not passed the prerequisite.

Instructors who have not submitted their grades should submit them to the Division Office ASAP.

#### CALCULATORS

The Division was awarded \$25,000 for classroom sets of calculators based on the recommendation of several committees. The calculators are in the Division Office. If instructors would like to check out a classroom set for the semester, contact the Division Office.

Copies of calculator loan forms were left in instructor mailboxes. Reminder to use the current version of the form otherwise the library will not accept it.

#### SPRING EVALUATIONS

Evaluation packets and assignments will be ready by the start of the second week.

#### **TEXTBOOK REQUISITIONS**

B. Mercado provided a reminder of what items are needed to complete a book requisition for the Bookstore:

- Publisher ISBN this will help avoid ordering the wrong book
- Publisher contact representative information

Inform B. Mercado by week three if your committee is going to change book editions or request a new book.

New textbook adoptions are due by 3/4/16.

The Bookstore is requesting that requisition be entered in the system so students can view the required textbooks during the registration period.

The front office will discuss alternative timelines for instructors that do not use the Bookstore.

#### PROTOCOL FOR REPORTING EQUIPMENT MALFUNCTIONS

The Repair/Technical Issue Support form shows the questions the front office must answer when requesting equipment repair. Provide the front office with as much detail as possible when reporting an issue.

At some point the projectors bulbs will go out at the same time. Dean J. Sims will remind the VPs of this, although they have been informed.

Media Services tracks the hours of life each bulb has.

#### **AB 86 ADULT EDUCATION**

The goal of AB 86 Adult Education is to create a curriculum preparing adults for transfer to ECC.

Funding is available for those interested in helping revamp the Adult Education curriculum.

Jose Anaya will have a meeting with more information on this initiative. As of now, it is a work in progress.

#### COMMON ASSESSMENT INITIATIVE

L. Ternes is involved with the Common Assessment Initiative (CAI).

The assessment test that CAI is rolling has extreme importance. A timeline was developed after the legislation passed and the common assessment was supposed to be in full implementation this fall, however, field-testing has not occurred. Colleges will continue what they have been using until CCC Assess is in full implementation.

Based on research, multiple measures do not work for international, reentry or out-of-state students.

L. Ternes will be chairing the CAI Committee.

#### MATH 80 CHALLENGE EXAM

The Division Office is still receiving petitions for students who took Math 73 but changed to a STEM or Business major.

Dean J. Sims has been using multiple measures to assess the petitions.

There is a need for a Math 80 challenge exam. J. Forbes will lead this initiative. A draft of the exam was created and the next step is to do a norming to determine the cutoff score.

Math 73 students have been reminded of the differences between Math 73 and 80.

#### STUDENT CLUB ADVISORS

B. Mitchell is the advisor of the ECC Math Club geared towards math-oriented talks.

L. Kjeseth and J. Cohen are co-advisors for a Math Engagement Club. There was one talk last fall and there has been an interest in having talks/tutoring at various prisons. S. Bucher is the Advisor for the Chess Club.

S. Singhal is the advisor for the Robotics Club. There are three competitions on campus.

#### CLASSROOM CHAIR FORMATION PROTOCOL

Half of the classrooms will continue how they have been (each instructor sets up room in their own preferred way). A listing was provided of the other half of classrooms that have formation specific designation for the chairs and desks. An instructor is still free to rearrange as they prefer, but when they leave the room, the room should be arranged as designated.

#### ANNOUNCEMENTS

Send B. Mercado office hours.

MESA will be accepting new student applications during the first two weeks of the semester.

#### SEP DATA ACTIVITY

The SEP Data activity is a set of questions requesting recommendations on what the Division can do to help students become successful.

Mathematical Sciences Division Meeting Dates for Department and Committees - Spring 2016 (Updated: December 9, 2015)

1:00 – 2:00 p.m.	Math Dept. (MBA 219)	CSCI Dept. (MBA 112)	Div Curr Cmte (DCC) (MBA 309)	Div LOACC (DLOACC) (MBA 112)	Division Council (MBA 112)
January 2016	Thurs, 1/14 (Flex Day 10:30am-12pm)	Thurs, 1/28		Tues, 1/26	Thurs, 1/21
February 2016			Tues, 2/2		Tues, 2/9
March 2016	Thurs, 3/3		Tues, 3/1 Tues, 3/29	Tues, 3/22	Thurs, 3/24
April 2016	Thurs, 4/21	Thurs, 4/14		Tues, 4/26	
May 2016		Fri, $5/20$ (Advisory Board Meeting) 11:30am - 2:00 pm	Tues, 5/3		

#### El Camino College Mathematics Department Calculator Loan Program SPRING 2016

(Student's Name)_	is enrolled in section(Section Number)	of

Math(course) and is approved to borrow a graphing calculator.

A deposit of \$20 and a valid El Camino College student identification card are required. If the calculator is returned, undamaged, by end of the term and no later than Wednesday, May 18, 2016, the deposit will be returned. If the calculator is returned late, is not returned, or is damaged, the deposit will not be returned AND an additional fee of \$100 will be charged to the student's El Camino College account. (Registration and access to records are blocked if the account is not paid.)

(Signature of Student)	(Date)
Instructor's Name)	

Take this signed form to the cashiers' office to pay the deposit\*, and then to the library with the receipt. Once you receive the calculator, you must keep your receipt and present it to receive your deposit back when you return the calculator.

\* Account #11-29602-00-00000-0000

#### El Camino College Mathematics Sciences Division Calculator Loan – Information

Any student enrolled in a mathematics course is eligible to check out a TI graphing calculator for the duration of the semester. The supply is limited, so availability is on a first-come, first-served basis.

- A deposit of \$20 and a valid El Camino College student identification card are required.
- If the calculator is returned within three days of the end of the term, the deposit will be returned.
- If the calculator is returned late, is not returned or is damaged, an additional fee
  of \$100 will be charged to the student's El Camino College account.
  (Registration and access to records will be blocked if the account is not paid.).

To obtain a calculator, the student must get permission from his/her instructor and proceed as follows:

- 1. Get a signed Calculator Loan Form from the instructor,
- 2. Take the Calculator Loan Form to the Cashier's Office to pay the deposit (account#11-29602-00-000000-0000) and get a receipt, and
- 3. Take the receipt to the library to check out a calculator.

If you have more questions, contact your math instructor.

## **TEXTBOOK PROCEDURES**

#### ADOPTING NEW TEXTBOOKS (DIVISION)

- LET BONNIE KNOW BY FRIDAY, FEBRUARY 5<sup>TH</sup> (WEEK 3) IF YOUR COMMITTEE IS POTENTIALLY UPDATING EDITION OR CHANGING TEXTBOOKS
- AFTER COMMITTEE REVIEW, THE FOLLOWING TEXTBOOK INFORMATION IS REQUIRED TO PROCEED WITH ORDERS:
  - O TITLE
  - o AUTHOR
  - O PUBLISHER
  - O EDITION
  - O ISBN \*ISSUED BY PUBLISHER, NOT WHAT IS FOUND ONLINE
  - PRICE QUOTE \*ISSUED BY PUBLISHER, NOT WHAT IS FOUND ONLINE
  - CONTACT INFO OF BOOK REP ASSISTING IN THE PROCESS
     \*HELPFUL FOR NEW PUBLISHING COMPANIES
- NEW TEXTBOOK ADOPTIONS DUE BY:
  - FRIDAY, MARCH 4<sup>TH</sup> (WEEK 7)
    - REGISTRATION BEGINS APPROXIMATELY WEEK 10
    - BUILD ORDER FORMS FOR EACH SECTION (OFFICE)
- TEXTBOOK ADOPTIONS SUBMITTED SPRING SEMESTER 2016 WILL BE THE ASSIGNED TEXTBOOK CHOICES FOR FALL 2016 THROUGH SUMMER 2017. CHANGES WILL NOT BE AVAILABLE AFTER SPRING 2016.

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## EQUIPMENT FAILURES OR MALFUNCTIONS

#### ✤ PROJECTORS

✤ COMPUTERS

✤ DOCUMENT CAMERAS

#### CONTACT DIVISION OFFICE

- EMAIL PREFERABLE
  - O HELPS IN TRACKING

#### **REQUIRED INFORMATION**

- LOCATION (BUILDING AND ROOM NUMBER)
- EXTENSION
- EQUIPMENT BEING USED
- DESCRIPTION OF WHAT IS OCCURRING

#### COPY OF WORK ORDER FORM

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## MATHEMATICAL SCIENCES DESIGNATED CLASSROOMS FOR ROWS/COLUMNS OR GROUP FORMATION

CLASSROOM	Row/Column or Group
MBA 103	GROUP
MBA 105	Row/Column
MBA 111	Row/Column
MBA 112	Row/Column
MBA 118	Row/Column
MBA 217	Row/Column
MBA 218	GROUP
MBA 307	Row/Column
MBA 311	Row/Column
MBA 312	GROUP
MBA 313	Row/Column
MBA 315	Row/Column
MBA 317	Row/Column
MBA 318	GROUP

(FOR ALL OTHER CLASSROOMS NOT LISTED HERE, ONE MAY SET UP THE ROOM ACCORDING TO THEIR PREFERENCE)



## EL CAMINO COMMUNITY COLLEGE DISTRICT

16007 Crenshaw Boulevard Torrance, California 90506-0001 Telephone (310) 532-3670 or 1-866-ELCAMINO

## LET'S LEARN MORE ABOUT COUNSELING AND STUDENT SUCCESS: Academic, Career, and Transfer

El Camino College Career Center Student Services Center – First Floor 310.660.3593, extension 6137 www.elcamino.edu/studentservices/co/careercenter/index.asp

January 4, 2016

Dear Faculty:

Welcome to the spring semester. We would like to arrange for a class presentation for your students highlighting the significance of supporting them in declaring a major, choosing a career, and transferring to a university. The emphasis of the presentation is to educate students on the process for each of these services. Counselors can provide an Educational Plan that outlines the major requirements, transfer requirements, and academic classes based on the students' goal.

Attached is a request form for a class presentation. We are available to provide a general or more detailed presentation based upon your request. Career materials related to your discipline can also be provided.

Please complete the form, mail it back to me, and I will begin scheduling visits to your class. Be sure to allow at least two weeks advance notice to eliminate scheduling conflicts. I will email you a confirmation of the presentation date, time, and counselor. Should you have any questions, please email or call me at extension 6545.

Thank you for your support and contribution to our students' success.

Sincerely,

Toni L. Newman, M.Ed. Career Center Technician tlnewman@elcamino.edu

Cereer Center Coordinator/Career Counselor ycooper@elcamino.edu

## El Camino College Counseling and Student Success

## **Classroom Presentation Request Form**

## Spring 2016

Instructor:	<u></u>	Email:		Ext
Class	No. of Students	Time/Days	Room	Preferred Dates for Visit Please allow two weeks for scheduling
		·····	<b></b>	<u></u>
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Special requests, i.e., beginning or end of class time; general counseling information, career focus or transfer services.

Please return this form to *Toni Newman*, Counseling and Student Success. Thank you.

# El Camino College Division of Mathematical Sciences

# **OPEN CLASSES - SPRING 2016**

## As of January 13, 2016

	OFORION		INCTOROTO	- DAVE	START	END		
CLASS	SECTION #	ROOM	INSTRUCTION METHOD	DAYS OFFERED	TIME	TIME	INSTRUCTOR	
CSCI 2	0118	MBA 120 MBA 112 MBA 112 MBA 120	LAB LEC LEC LAB	S	8:00 AM 9:40 AM 12:15 PM 2:30 PM	9:25 AM 11:45 AM 2:20 PM 3:55 PM	Nikjeh, Esmaail	
CSCI 3	0124	MBA 120 MBA 219	LAB LEC	MW MW	2:55 PM 4:30 PM	4:20 PM 5:55 PM	Leon, Juan	
CSCI 3	0125	MBA 219 MBA 113	LEC LAB	MW MW	4:30 PM 6:05 PM	5:55 PM 7:30 PM	Leon, Juan	
CSCI 3	0129	MBA 213 MBA 113	LEC LAB	TTH TTH	6:25 PM 8:00 PM	7:50 PM 9:25 PM	Ambrosio, Edwin	
CSCI 12-HYBRID	4815	MBA 118 MBA 120	LEC LAB	S	8:00 AM 11:00 AM	10:20 AM 1:20 PM	Ghyam, Massoud	
ENGR 9	0138	MBA 309	LEC	MW	4:00 PM	5:25 PM	Evensizer, Jill	
MATH 23	0215	MBBM 132	LEC	TTH	4:15 PM	6:20 PM	Bauman, Robert	
MATH 23	0218	MBA 313	LEC	MW	5:30 PM	7:35 PM	Valle, Gerson	
MATH 40	0262	MBA 219	LEC	MWF	8:00 AM	9:15 AM	Meyer, Trudy	
MATH 40	0264	MBA 211	LEC	S	8:00 AM	12:15 PM	Bojkov, Alexander	
MATH 40	0274	MBA 319	LEC	MWF	10:00 AM	11:15 AM	Meyer, Trudy	
MATH 40	0294	MBA 209	LEC	TTH	3:00 PM	5:05 PM	Saakian, Lernik	
MATH 40	0296	MBA 209	LEC	MW	4:00 PM	6:05 PM	Dammena, Dimetros	
MATH 40	0298	MBA 209	LEC	TTH	5:15 PM	7:20 PM	Gizaw, Astatke	
MATH 40	0304	MBA 219	LEC	MW	6:30 PM	8:35 PM	Lee, Michael	
MATH 67	0352	MBA 218 MBA 220	LEC LAB	MW TTH	9:45 AM 9:45 AM	11:10 AM 11:10 AM	Kjeseth, Lars	
MATH 73	0381	MBA 311	LEC	MTWTH	7:00 AM	8:10 AM	Hamza, Hamza	
MATH 73	0430	MBA 319	LEC	MW	5:45 PM	8:15 PM	Martinez, Steve	
MATH 73	0432	MBA 319	LEC	ТТН	6:00 PM	8:30 PM	Mata, Matthew	
MATH 73	0434	MBA 112	LEC	MW	6:30 PM	9:00 PM	Cortez, Marilyn	
MATH 73-HYBRID	4828	MBA 103	LEC	Т	4:00 PM	6:20 PM	Moreno, Kaysa	

MATH 191         0922         MBA 211         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage								
MATH 80         OB10         MBA 312         LEC         TTH         3:34 PM         C1:51 PM         Dammona, Zekaras           MATH 80         0522         MBA 105         LEC         TTH         5:15 PM         7:45 PM         Saakian, Lernik           MATH 80         0522         MBA 313         LEC         TTH         5:30 PM         8:00 PM         Ferguson, Tmodry           MATH 80         0522         MBA 312         LEC         MW         6:30 PM         8:00 PM         Barajas, Eduardo           MATH 80         0550         MBA 312         LEC         MW         6:30 PM         9:00 PM         Barajas, Eduardo           MATH 115         0566         MBA 209         LIC         T         8:00 AM         10:05 AM         Kasabian, Judy           MATH 120         0580         MBA 105         LEC         TTH         8:00 AM         Shaba, Azzan         Susan           MATH 130         0668         MBA 217         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0662         MBA 211         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0624         MBA 315	CLASS		ROOM			one only many his is all a sense of the sense	And all the second s	INSTRUCTOR
MATH 80         0520         MBA 105         LEC         TTH         515 PM         FVR 5PM         Saakan, Lemik           MATH 80         0522         MBA 313         LEC         TTH         515 PM         845 PM         Dammena, Dimetros           MATH 80         0524         MBA 209         LEC         MW         615 PM         845 PM         Dammena, Dimetros           MATH 80         0530         MBA 312         LEC         MW         615 PM         845 PM         Dammena, Dimetros           MATH 115         0566         MBA 209         LEC         MW         615 PM         845 PM         Dammena, Dimetros           MATH 115         0566         MBA 209         LEC         T         8:00 AM         10:05 AM         Kasabian, Judy           MATH 120         0580         MBA 103         LEC         TTH         2:00 PM         3:25 PM         Turmmers Stocurn, Susen           MATH 130         06616         MBA 217         LEC         TTH         2:15 PM         3:40 PM         Beargase, Beargae, Huann           MATH 130         0662         MBA 217         LEC         TTH         2:15 PM         2:40 PM         Georgeuich, Mlan           MATH 130         0662         MBA 211	MATH 73-HYBRID	4829	MBA 103	LEC	ТН	4:00 PM	6:20 PM	Moreno, Kaysa
MATH 80         0522         MBA 313         LEC         TTH         5:30 PM         From PM         Declame Tranship           MATH 80         0524         MBA 209         LEC         MW         6:15 PM         8:45 PM         Dammana. Dimetros           MATH 80         0580         MBA 312         LEC         MW         6:30 PM         9:00 PM         Barajas, Eduardo           MATH 115         05668         MBA 209         LEC         T         8:00 AM         10:05 AM         Kasabian, Judy           MATH 116         0570         MBA 103         LEC         T         10:30 AM         12:35 PM         Tummers Stoourn, Susan           MATH 120         0564         MBA 105         LEC         TTH         8:20 AM         9:45 AM         Baysaa, Bayene           MATH 130         0616         MBA 217         LEC         TTH         7:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0622         MBA 217         LEC         TTH         7:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0622         MBA 307         LEC         MW         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0628         MBA 307	MATH 80	0516	MBA 312	LEC	ттн	3:45 PM	6:15 PM	Dammena, Zekarias
MATH 80         0624         MBA 209         LEC         MW         6:15 PM         8:45 PM         Dammena, Dimetroy           MATH 80         0530         MBA 312         LEC         MW         6:30 PM         9:00 FA         Barajas, Eduardo           MATH 115         0566         MBA 209         LAS         T         8:00 AM         10:05 AM         Kasabian, Judy           MATH 116         0570         MBA 103         LEC         T         10:30 AM         12:35 FM         Susan           MATH 120         0580         MBA 212         LEC         TTH         8:20 AM         9:45 AM         Bayssa, Beyene           MATH 130         0616         MBA 217         LEC         TTH         7:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0616         MBA 217         LEC         TTH         7:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0620         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0624         MBA 307         LEC         MW         4:10 PM         Georgevich, Mian           MATH 130         0628         MBA 307         LEC         MW	MATH 80	0520	MBA 105	LEC	TTH	5:15 PM	7:45 PM	Saakian, Lernik
MATH 80         0530         MBA 312         LEC         MW         6:30 PM         9:00 PM         Barrais, Eduardo           MATH 115         0566         MBA 209         LEC         T         8:00 AM         10055 AM         Kasabian, Judy           MATH 116         0570         MBA 103         LEC         T         8:00 AM         12:35 PM         Tummers Stocum, Susan           MATH 120         0580         MBA 212         LEC         TTH         8:20 AM         9:45 AM         Susan           MATH 120         0584         MBA 105         LEC         TTH         8:20 AM         9:45 AM         Susan           MATH 130         0606         MBA 217         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0620         MBA 211         LEC         TW         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0620         MBA 307         LEC         MW         1:00 PM         Auxyan, Vage           MATH 130         0632         MBA 307         LEC         MW         2:45 PM         4:10 PM         Avaxyan, Vage           MATH 130         0632         MBA 315         LEC         TH         2	MATH 80	0522	MBA 313	LEC	ТТН	5:30 PM	8:00 PM	Ferguson, Timothy
MATH 115         D566         MBA 209         LAB         TH         St00 AM         10:05 AM         Karabian, Judy           MATH 116         0570         MBA 103         LEC         TH         8:00 AM         10:25 SP         Karabian, Judy           MATH 116         0570         MBA 103         LEC         TH         10:30 AM         12:35 PM         Susan           MATH 120         0580         MBA 212         LEC         TTH         2:25 PM         Bayasa, Beyene           MATH 120         0566         MBA 217         LEC         TTH         2:25 PM         Reece, Russel           MATH 130         0616         MBA 217         LEC         TTH         2:00 PM         Georgevich, Mian           MATH 130         0620         MBA 211         LEC         MW         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0624         MBA 211         LEC         TTH         2:15 PM         3:40 PM         Ress, Kristin           MATH 130         0628         MBA 211         LEC         TH         2:15 PM         4:10 PM         Georgevich, Mian           MATH 130         0638         MBA 213         LEC         TH         7:15 PM         8:40 PM	MATH 80	0524	MBA 209	LEC	MW	6:15 PM	8:45 PM	Dammena, Dimetros
MARTH 113         0.056         MBA 209         LAB         TH         9:00 AM         10:05 AM         Kasabian, Judy           MATH 116         0.570         MBA 103         LAB         TH         10:30 AM         12:35 PM         Tummers Stocum, Susan           MATH 120         0.580         MBA 212         LEC         TTH         8:20 AM         9:45 AM         Baysaa, Beyene           MATH 130         0.6616         MBA 217         LEC         TTH         7:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0.6616         MBA 217         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Milan           MATH 130         0.6620         MBA 307         LEC         MW         11:01 PM         2:25 PM         Ovanessian, Aida           MATH 130         0.622         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0.632         MBA 307         LEC         MW         2:15 PM         3:00 PM         Ross, Kristin           MATH 130         0.632         MBA 315         LEC         MW         2:35 PM         4:10 PM         Georgevich, Milan           MATH 130         0.632         M	MATH 80	0530	MBA 312	LEC	MW	6:30 PM	9:00 PM	Barajas, Eduardo
MATH 16         C070         MBA 103         LAB         TH         10.33 AM         12:35 PM         Susan           MATH 120         0580         MBA 212         LEC         TTH         8:20 AM         9:45 AM         Baysa, Beyenc           MATH 120         0584         MBA 105         LEC         TTH         8:20 AM         Shihabi, Azzam           MATH 130         0606         MBA 217         LEC         TTH         7:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0620         MBA 211         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Mian           MATH 130         0622         MBA 307         LEC         MW         1:00 PM         2:35 PM         Aross, Kristin           MATH 130         0626         MBA 307         LEC         MW         2:35 PM         4:10 PM         Georgevich, Mian           MATH 130         0628         MBA 315         LEC         MW         2:45 PM         4:10 PM         Georgevich, Mian           MATH 130         0633         MBA 211         LEC         TTH         7:15 PM         3:40 PM         Zambrano, Ruth           MATH 130         0638         MBA 317         LEC         TTH	CLASS           MATH 73-HYBRID           MATH 80           MATH 115           MATH 115           MATH 116           MATH 120           MATH 120           MATH 130           MATH 150           MATH 150           MATH 150-HYBRID	0566	MBA 209		TH	1		Kasabian, Judy
MATH 120         OSB4         MBA 105         LEC         TTH         DCB 7H         Strip ML         Resce, Russell           MATH 130         0606         MBA 217         LEC         TTH         7:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0616         MBA 217         LEC         TTH         7:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0620         MBA 211         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Milan           MATH 130         0622         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0622         MBA 307         LEC         MW         4:10 PM         Georgevich, Milan           MATH 130         0624         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 150         0724         MBA 307         LEC         TH </td <td>MATH 116</td> <td>0570</td> <td>MBA 103</td> <td></td> <td></td> <td>1</td> <td></td> <td></td>	MATH 116	0570	MBA 103			1		
MATH 130         0606         MBA 217         LEC         TTH         7.1.5 AM         8.40 AM         Shihabi, Azzam           MATH 130         0616         MBA 217         LEC         TTH         11:15 AM         8:40 AM         Shihabi, Azzam           MATH 130         0620         MBA 211         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Milan           MATH 130         0622         MBA 307         LEC         MW         11:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0624         MBA 211         LEC         TTH         2:15 PM         3:40 PM         Ross, Kristin           MATH 130         0632         MBA 315         LEC         MW         2:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrao, Ruth           MATH 130-HYBRID         4833         MBA 317         LEC         W         5:00 PM         6:20 PM         Watson, Christina           MATH 150         0681         MBA 213         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307	MATH 120	0580	MBA 212	LEC	ТТН	8:20 AM	9:45 AM	Bayssa, Beyene
MATH 130         0616         MBA 217         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Milan           MATH 130         0620         MBA 211         LEC         TTH         11:15 AM         12:40 PM         Georgevich, Milan           MATH 130         0622         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0624         MBA 211         LEC         TTH         2:15 PM         3:40 PM         Ross, Kristin           MATH 130         0626         MBA 307         LEC         MW         2:45 PM         4:10 PM         Georgevich, Milan           MATH 130         0638         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 317         LEC         W         5:50 PM         Avakyan, Vage           MATH 150         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0724         MBA 307         LEC         TH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         F <td>MATH 120</td> <td>0584</td> <td>MBA 105</td> <td>LEC</td> <td>TTH</td> <td>2:00 PM</td> <td>3:25 PM</td> <td>Reece, Russell</td>	MATH 120	0584	MBA 105	LEC	TTH	2:00 PM	3:25 PM	Reece, Russell
MATH 130         0620         MBA 211         LEC         MW         11:15 AM         12:40 FM         Georgewich, Mian           MATH 130         0622         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0624         MBA 307         LEC         MW         2:45 PM         4:10 PM         Georgevich, Milan           MATH 130         0626         MBA 307         LEC         MW         2:45 PM         4:10 PM         Georgevich, Milan           MATH 130         0632         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130-HYBRID         4833         MBA 211         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0724         MBA 307         LEC         TH         2:00 AM         1:0:55 AM         Manikandan, Thri           MATH 150-HYBRID         4838         MBA 120<	MATH 130	0606	MBA 217	LEC	ТТН	7:15 AM	8:40 AM	Shihabi, Azzam
MATH 130         0622         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0624         MBA 307         LEC         MW         1:00 PM         2:25 PM         Ovanessian, Aida           MATH 130         0626         MBA 307         LEC         MW         2:45 PM         4:10 PM         Georgevich, Milan           MATH 130         0632         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130         0681         MBA 213         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 150         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0711         MBB 130         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0714         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 150-HYBRID         4838         MBA 120	MATH 130	0616	MBA 217	LEC	ΤŢΗ	11:15 AM	12:40 PM	Georgevich, Milan
MATH 130         0624         MBA 211         LEC         TTH         21:15 PM         3:40 PM         Ross, Kristin           MATH 130         0626         MBA 307         LEC         MW         2:45 PM         3:40 PM         Ross, Kristin           MATH 130         0632         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0711         MBBM 130         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150         0724         MBA 213         LEC         F         11:10 AM         Ross, Kristin           MATH 150-HYBRID         4838         MBA 120         LEC         F	MATH 130	0620	MBA 211	LEC	MW	11:15 AM	12:40 PM	Georgevich, Milan
MATH 130         0626         MBA 307         LEC         MW         2:45 PM         4:10 PM         Georgevich, Milan           MATH 130         0632         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130         0638         MBA 213         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 150         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0711         MBBM 130         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150         0724         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 150-HYBRID         4839         MBA 120         LEC         TH         7:00 AM         8:55 AM         Lackpour, Main           MATH 150-HYBRID         4841         MBA 213	MATH 130	0622	MBA 307	LEC	MW	1:00 PM	2:25 PM	Ovanessian, Aida
MATH 130         0632         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 315         LEC         MW         4:25 PM         5:50 PM         Avakyan, Vage           MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130         0681         MBA 213         LEC         TTH         7:15 PM         8:40 PM         Vatison, Christina           MATH 150         0711         MBB 130         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0724         MBA 307         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4838         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 150-HYBRID         4841         MBA 213         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 150         0760         MBA 217	MATH 130	0624	MBA 211	LEC	TTH	2:15 PM	3:40 PM	Ross, Kristin
MATH 130         0638         MBA 211         LEC         TTH         7:15 PM         8:40 PM         Zambrano, Ruth           MATH 130-HYBRID         4833         MBA 317         LEC         W         5:00 PM         6:20 PM         Watson, Christina           MATH 150         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0711         MBBM 130         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         MW         5:30 PM         7:35 PM         Hermer, William           MATH 150         0724         MBA 307         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4838         MBA 120         LEC         F         11:10 AM         Hermer, William           MATH 150-HYBRID         4841         MBA 213         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 150         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 161         0772         MBA 312         LEC	MATH 130	0626	MBA 307	LEC	MW	2:45 PM	4:10 PM	Georgevich, Milan
MATH 130-HYBRID         4833         MBA 317         LEC         W         510 FM         610 FM         Landman, Hain           MATH 150         0681         MBA 213         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0711         MBBM 130         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         TH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         MW         5:30 PM         7:35 PM         Hemmer, William           MATH 150-HYBRID         4838         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 160-HYBRID         4839         MBA 120         LEC         F         11:15 AM         11:0 PM         Manikandan, Thri           MATH 161         0772         MBA 105         LEC         TH         7:00 AM         8:55 AM         Lackpour, Alice           MATH 165         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170         0802         MBA 207	MATH 130	0632	MBA 315	LEC	MW	4:25 PM	5:50 PM	Avakyan, Vage
MATH 150         O681         MBA 213         LEC         TH         9:05 AM         11:10 AM         Reads, Cirkana           MATH 150         0711         MBB 130         LEC         TTH         9:05 AM         11:10 AM         Ross, Kristin           MATH 150         0711         MBB 130         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         MW         5:30 PM         7:35 PM         Hemmer, William           MATH 150-HYBRID         4838         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 160-HYBRID         4839         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 161         0772         MBA 105         LEC         MW         4:30 PM         5:55 PM         O'Leary, Alice           MATH 165         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170         0802         MBA 207         LEC         WW         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 180         0823         MBA 209	MATH 130	0638	MBA 211	LEC	TTH	7:15 PM	8:40 PM	Zambrano, Ruth
MATH 150         O711         MBB 130         LEC         TTH         2100 PM         4100 FM         Frode, Riskin           MATH 150         0724         MBA 307         LEC         TTH         2:00 PM         4:05 PM         Fogel, Charles           MATH 150         0724         MBA 307         LEC         MW         5:30 PM         7:35 PM         Hemmer, William           MATH 150-HYBRID         4838         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4839         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 161         0772         MBA 105         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 161         0772         MBA 105         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170-         0802         MBA 217         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 170         0806         MBA 317	MATH 130-HYBRID	4833	MBA 317	LEC	W	5:00 PM	6:20 PM	Watson, Christina
MATH 150         0724         MBA 307         LEC         MW         5:30 PM         7:35 PM         Hemmer, William           MATH 150-HYBRID         4838         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4839         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4839         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 150-HYBRID         4841         MBA 213         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 161         0772         MBA 105         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170-         0802         MBA 312         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 170         0806         MBA 317         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 180         0823         MBA	MATH 150	0681	MBA 213	LEC	ттн	9:05 AM	11:10 AM	Ross, Kristin
MATH 150-HYBRID         4838         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4839         MBA 120         LEC         F         9:00 AM         10:55 AM         Manikandan, Thri           MATH 150-HYBRID         4839         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 150-HYBRID         4841         MBA 213         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 161         0772         MBA 105         LEC         MW         4:30 PM         5:55 PM         O'Leary, Alice           MATH 170         0700         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170         0766         MBA 217         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180         0820         MBA 312<	MATH 150	0711	MBBM 130	LEC	TTH	2:00 PM	4:05 PM	Fogel, Charles
MATH 150-HYBRID         4839         MBA 120         LEC         F         11:15 AM         1:10 PM         Manikandan, Thri           MATH 150-HYBRID         4841         MBA 213         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 161         0772         MBA 105         LEC         TH         7:00 AM         8:55 PM         O'Leary, Alice           MATH 161         0772         MBA 105         LEC         MW         4:30 PM         5:55 PM         O'Leary, Alice           MATH 165         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170 - Gateways to Engr         0786         MBA 212         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           Gateways to Engr         0830         MBA 317         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 190         0882	MATH 150	0724	MBA 307	LEC	MW	5:30 PM	7:35 PM	Hemmer, William
MATH 150-HYBRID         4841         MBA 213         LEC         TH         7:00 AM         8:55 AM         Lackpour, Matin           MATH 161         0772         MBA 105         LEC         MW         4:30 PM         5:55 PM         O'Leary, Alice           MATH 165         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170 - Gateways to Engr         0786         MBA 312         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170 - Gateways to Engr         0802         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 180         0823         MBA 209         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180 - Gateways to Engr         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191	MATH 150-HYBRID	4838	MBA 120	LEC	F	9:00 AM	10:55 AM	Manikandan, Thri
MATH 161         0772         MBA 105         LEC         MW         4:30 PM         5:57 PM         O'Leary, Alice           MATH 165         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170 - Gateways to Engr         0786         MBA 312         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 180         0823         MBA 207         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180 - Gateways to Engr         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900 <td< td=""><td></td><td>4839</td><td>MBA 120</td><td>LEC</td><td>F</td><td>11:15 AM</td><td>1:10 PM</td><td>Manikandan, Thri</td></td<>		4839	MBA 120	LEC	F	11:15 AM	1:10 PM	Manikandan, Thri
MATH 161         0772         MBA 105         LEC         MW         4:30 PM         5:55 PM         O'Leary, Alice           MATH 165         0760         MBA 217         LEC         MW         6:05 PM         8:35 PM         O'Leary, Alice           MATH 170- Gateways to Engr         0786         MBA 312         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 170         0806         MBA 317         LEC         TTH         7:15 PM         8:40 PM         Heng, Rarny           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180-         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 180-         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 317         LEC         TTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0900         MBA 307	MATH 150-HYBRID	4841	MBA 213	LEC	TH	7:00 AM	8:55 AM	Lackpour, Matin
MATH 170 – Gateways to Engr         0786         MBA 312         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 170         0806         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180         0823         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           Gateways to Engr         0830         MBA 317         LEC         TTH         5:00 PM         7:30 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA	MATH 161	0772	MBA 105	LEC	MW	4:30 PM	5:55 PM	O'Leary, Alice
MATH 170 – Gateways to Engr         0786         MBA 312         LEC         TTH         9:45 AM         11:10 AM         Hockman, Anna           MATH 170         0802         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 170         0806         MBA 207         LEC         W         6:15 PM         9:25 PM         Eleuteri, Robert           MATH 170         0806         MBA 317         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180 – Gateways to Engr         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920	MATH 165	0760	MBA 217	LEC	MW	6:05 PM	8:35 PM	O'Leary, Alice
MATH 170         0806         MBA 317         LEC         TTH         7:15 PM         8:40 PM         Heng, Ramy           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 317         LEC         MTWTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0900         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         9:00 PM         Avakyan, Vage           MATH 191         0920         MBA 307         LEC		0786	MBA 312	LEC	ттн	9:45 AM		
MATH 180         0823         MBA 209         LEC         MW         8:30 AM         11:00 AM         Hamza, Hamza           MATH 180 Gateways to Engr         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 317         LEC         MTWTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0900         MBA 307         LEC         TTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0914         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920         MBA 311         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0922         MBA 311         LEC         TTH         5:00 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 309	MATH 170	0802	MBA 207	LEC	W	6:15 PM	9:25 PM	Eleuteri, Robert
MATH 180 Gateways to Engr         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 317         LEC         MTWTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0900         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0922         MBA 311         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill	MATH 170	0806	MBA 317	LEC	ттн	7:15 PM	8:40 PM	Heng, Ramy
Gateways to Engr         0830         MBA 312         LEC         MTWTH         11:30 AM         12:40 PM         Taylor, Susan           MATH 190         0882         MBA 111         LEC         TTH         5:00 PM         7:30 PM         Taylor, Ralph           MATH 191         0900         MBA 317         LEC         MTWTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0914         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0922         MBA 311         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 309         LEC         MW         6:30 PM         9:00 PM         Fry, Gregory           MATH 270         0952         MBA 309		0823	MBA 209	LEC	MW	8:30 AM	11:00 AM	Hamza, Hamza
MATH 191         0900         MBA 317         LEC         MTWTH         8:30 AM         9:40 AM         Seyedin, Aban           MATH 191         0914         MBA 307         LEC         TTH         2:15 PM         4:45 PM         Georgevich, Milan           MATH 191         0920         MBA 307         LEC         TTH         5:00 PM         7:30 PM         Horvath, Robert           MATH 191         0920         MBA 211         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 311         LEC         TTH         4:15 PM         6:20 PM         Fry, Gregory           MATH 270         0952         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill		0830	MBA 312	LEC	MTWTH	11:30 AM	12:40 PM	Taylor, Susan
MATH 191         0922         MBA 211         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 311         LEC         TTH         4:15 PM         6:20 PM         Fry, Gregory           MATH 270         0952         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill	MATH 190	0882	MBA 111	LEC	ΤΤΗ	5:00 PM	7:30 PM	Taylor, Ralph
MATH 191         0922         MBA 211         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 311         LEC         TTH         4:15 PM         6:20 PM         Fry, Gregory           MATH 270         0952         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill	MATH 191	0900	MBA 317	LEC	MTWTH	8:30 AM	9:40 AM	Seyedin, Aban
MATH 191         0922         MBA 211         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 311         LEC         TTH         4:15 PM         6:20 PM         Fry, Gregory           MATH 270         0952         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill	MATH 191	0914	MBA 307	LEC	ТТН	2:15 PM	4:45 PM	Seyedin, Aban Georgevich, Milan Horvath, Robert
MATH 191         0922         MBA 211         LEC         MW         6:30 PM         9:00 PM         Avakyan, Vage           MATH 210         0926         MBA 311         LEC         TTH         4:15 PM         6:20 PM         Fry, Gregory           MATH 270         0952         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill	MATH 191	0920	MBA 307	LEC	TTH	5:00 PM	7:30 PM	Horvath, Robert
MATH 270         0952         MBA 309         LEC         MW         6:30 PM         9:00 PM         Evensizer, Jill	MATH 191	0922	MBA 211	LEC	MW	6:30 PM	9:00 PM	
	MATH 210	0926	MBA 311	LEC	ТТΗ	4:15 PM	6:20 PM	Fry, Gregory
MATH 270 0954 MBA 217 LEC TTH 6:30 PM 9:00 PM Stein, James	MATH 270	0952	MBA 309	LEC	MW	6:30 PM	9:00 PM	Fry, Gregory Evensizer, Jill
	MATH 270	0954	MBA 217	LEC	ттн	6:30 PM	9:00 PM	Stein, James

#### Spring 2016 Professional Development Day Student Equity Data Review Questions

The purpose of having this discussion is to identify and prepare to assist students who are not passing their courses. This activity is intended for faculty to brainstorm in efforts to produce innovative methods of intervention and assistance. When answering the questions below, please keep these questions in mind: What works for you? What would you like to try? What have you seen work elsewhere?

Please refer to the data sets provided.

The chart for "ALL Mathematical Sciences Departments" shows the gap between success rate of all students, and the success rates of different ethnic groups.

The average % not passed appears above the box, to the right (it's 45%).

The data in the box compares passing rates of different ethnic groups (African-Americans are not passing at a rate of 59%). The "Gap" compares the ethnic group to the average. Since African-American students are not passing at a rate of 59% and the Division average is 45%, there is an approximate 13% gap between the numbers. With such a large gap, and we have thousands of students in this category, we need an intervention to help this population succeed.

Next, look at the Latino group. Latinos didn't pass at a rate of 49%, only 4% less than the average. But look at the number of Latino students who are failing: 4,500 students. Even though the "gap" is small, we have a group of over 4000 students who are failing. An intervention is needed here as well because of the large number of students.

- 1. Based on the institutional data, which students are most at risk of not succeeding in our classes?
- 2. Have you observed ways students within these at-risk populations experience difficulty succeeding? If so, can you describe specific behaviors you've observed? For example: preparation levels (e.g., writing skills, computational skills), class attendance, involvement in class activities, engagement with students or instructor, completion of assignments, help-seeking behaviors. Give some examples why you think certain students are failing our classes.
- 3. What strategies or interventions do or can your **department** utilize to increase the success of at-risk students? For example, by collaborating with relevant campus support services to streamline the process for referring students or developing a new workshop or speakers series.
- 4. What strategies or interventions do or can **you** utilize to increase the success of at-risk students? For example, by incorporating relevant readings, resources or assignments, inviting guest speakers, requiring students to attend grade conferences.

#### # of % of # of D, F, % of courses Gap Course by Division enrollments enollment NP, W not passed (<-10% in red) 127,383 40,194 ALL DIVISIONS 32% 43% African-American 19,030 15% 8,209 -12% Amer, Ind. or Alask, Native 179 0% 34% -3% 61 10% Asian 20,213 16% 4,299 21% 50% 34% -2% Latino 63,658 21,639 Pacific Islander 696 1% 290 42% -10% Two or More 5,857 5% 1,766 30% 1% 29% Unknown or Decline 794 1% 228 3% White 3,702 10% 16,956 13% 22% **Behavioral & Social Sciences** 27,792 8,134 29% African-American 4,104 15% 1,660 40% -11% Amer. Ind. or Alask. Native 28 0% 9 32% -3% Asian 4,066 15% 695 17% 12% Latino 14,492 52% 4,591 32% -2% Pacific Islander 137 0% 62 45% -16% 5% 359 Two or More 1,253 29% 1% 1% 36 5% Unknown or Decline 146 25% White 3,566 13% 722 20% 9% **Business** 6,970 2,563 37% African-American 1,115 16% 585 52% -16% Amer. Ind. or Alask. Native 0% 3 50% -13% 6 Asian 1,348 19% 322 24% 13% Latino 2,928 42% 1,162 40% -3% Pacific Islander 37 1% 22 59% -23% 327 5% 126 -2% Two or More 39% 33 Unknown or Decline 77 1% 43% -6% 27% 9% White 1,132 16% 310 16,902 4,205 25% **Fine Arts** African-American 17% 1,045 37% 2,851 -12% Amer. Ind. or Alask. Native 28 0% 7 25% 0% 2,603 15% 418 16% 9% Asian 47% -1% Latino 7,915 2,078 26% Pacific Islander 89 1% 36 40% -16% 905 5% 197 22% 3% Two or More 93 1% 25 -2% Unknown or Decline 27% 399 White 2,418 14% 17% 8% **Health Sciences & Athletics** 14,415 3,258 23% 20% -10% 2,841 935 33% African-American Amer. Ind. or Alask. Native 38 0% 7 18% 4% 14% 242 11% Asian 2,024 12% Latino 6,692 46% 1,601 24% -1% Pacific Islander -8% 115 1% 35 30% Two or More 737 5% 164 22% 0% 157 1% 27 17% 5% Unknown or Decline

1,811

13%

247

14%

#### El Camino College Fall 2014 and Spring 2015

White

9%

#### El Camino College Fall 2014 and Spring 2015

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Course by Division	# of	% of	# of D, F,	% of courses	Gap
	enroliments	enoliment	NP, W	not passed	(<-10% in red)
Humanities	23,095	4.50/	7,930	34%	in the state of th
African-American	3,488	15%	1,660	48%	-13%
Amer. Ind. or Alask. Native	26	0%	8	31%	4%
Asian	3,745	16%	874	23%	11%
Latino	12,343	53%	4,407	36%	-1%
Pacific Islander	124	1%	52	42%	-8%
Two or More	970	4%	338	35%	-1%
Unknown or Decline	77	0%	37	48%	-14%
White	2,322	10%	554	24%	10%
Industry & Technology	9,496		2,193	23%	
African-American	1,206	13%	456	38%	-15%
Amer. Ind. or Alask. Native	14	0%	5	36%	-13%
Asian	1,142	12%	158	14%	9%
Latino	4,820	51%	1,188	25%	-2%
Pacific Islander	40	0%	10	25%	-2%
Two or More	412	4%	90	22%	1%
Unknown or Decline	81	1%	15	19%	5%
White	1,781	19%	271	15%	8%
Mathematical Sciences	17,346		7,888	45%	
African-American	2,210	13%	1,295	59%	-13%
Amer. Ind. or Alask. Native	23	0%	12	52%	-7%
Asian	2,954	17%	946	32%	13%
Latino	9,125	53%	4,500	49%	-4%
Pacific Islander	105	1%	49	47%	-1%
Two or More	715	4%	310	43%	2%
Unknown or Decline	75	0%	28	37%	8%
White	2,139	12%	748	35%	11%
Natural Sciences	10,850		3,929	36%	
African-American	1,132	10%	553	49%	-13%
Amer. Ind. or Alask. Native	16	0%	10	63%	-26%
Asian	2,259	21%	631	28%	8%
Latino	5,124	47%	2,080	41%	-4%
Pacific Islander	48	0%	24	50%	-14%
Two or More	508	5%	176	35%	2%
Unknown or Decline	79	1%	27	34%	2%
White	1,684	16%	428	25%	11%

Course by Department	# of enrollments	% of enollment	# of D, F, NP, W	% of courses not passed	Gap (<-10% in red)
ALL Mathematical Sciences Departments	17,346		7,888	45%	
African-American	2,210	13%	1,295	59%	-13%
Amer. Ind. or Alask. Native	23	0%	12	52%	-7%
Asian	2,954	17%	946	32%	13%
Latino	9,125	53%	4,500	49%	-4%
Pacific Islander	105	1%	49	47%	-1%
Two or More	715	4%	310	43%	2%
Unknown or Decline	75	0%	28	37%	8%
White	2,139	12%	748	35%	11%
CSCI	691		226	33%	
CSCI-1 (Prob Solvng/Prog Dsgn C++)	383		162	42%	
African-American	27	7%	17	63%	-21%
Asian	122	32%	43	35%	7%
Latino	147	38%	72	49%	-7%
Pacific Islander	4	1%	2	50%	-8%
Two or More	23	6%	10	43%	-1%
Unknown or Decline	3	1%	1	33%	9%
White	57	15%	17	30%	12%
CSCI-16 (Assem Lan Prgrmg IBM PC)	16		5	31%	
African-American	3	19%	2	67%	-35%
Asian	1	6%	-	0%	31%
Latino	3	19%	-	0%	31%
Two or More	2	13%	2	100%	-69%
White	7	44%	1	14%	17%
CSCI-2 (Intro to Data Structures)	121		33	27%	
African-American	2	2%	2	100%	-73%
Asian	46	38%	14	30%	-3%
Latino	37	31%	9	24%	3%
Two or More	4	3%	-	0%	27%
White	32	26%	8	0%	27%
CSCI-3 (Computer Programming in Java)	113		22	19%	
African-American	7	6%	••	0%	19%
Asian	41	36%	10	24%	-5%
Latino	36	32%	9	25%	-6%
Two or More	8	7%	1	13%	7%
White	21	19%	2	10%	10%
CSCI-30 (Advanced Programming in C++)	40		2	5%	)
African-American	5	13%	-	0%	5%
Asian	9	23%	-	0%	5%
Latino	9	23%	1	11%	-6%
Two or More	3	8%	-	0%	5%
White	14	35%	1	. 7%	-2%

Fall 20	014 and Spring	g 2015			
Course by Department	# of enrollments	% of enollment	# of D, F, NP, W	% of courses not passed	Gap (<-10% in red)
CSCI-40 (Intro UNIX/LINUX Operatg Sys)	18		2	11%	
African-American	2	11%	1	50%	-39%
Asian	4	22%	-	0%	11%
Latino	8	44%	1	13%	-1%
Unknown or Decline	1	6%	-	0%	11%
White	3	17%	•	0%	11%
ENGR	111		22	20%	
ENGR-1 (Intro to Engineering)	71		14	20%	
African-American	4	6%	1	25%	-5%
Asian	15	21%	-	0%	20%
Latino	40	56%	8	20%	0%
Pacific Islander	1	1%	***	0%	20%
White	11	15%	5	45%	-26%
ENGR-9 (Engr Mechanics - Statics)	40		8	20%	
African-American	1	3%		0%	20%
Asian	8	20%	3	38%	-18%
Latino	18	45%	2	11%	9%
Pacific Islander	2	5%	1	50%	-30%
Two or More	1	3%	-	0%	20%
Unknown or Decline	1	3%	-	0%	20%
White	9	23%	2	22%	-2%
MATH	16,544		7,640	46%	<b></b>
MATH-110 (Structures/Concepts in Math)	136		39	29%	
African-American	15	11%	7	47%	-18%
Amer. Ind. or Alask. Native	. 1	1%	-	0%	29%
Asian	15	11%	3	20%	9%
Latino	73	54%	21	29%	0%
Pacific Islander	1	1%	-	0%	29%
Two or More	. 3	2%	-	0%	29%
Unknown or Decline	3	2%	1	33%	-5%
White	25	18%	. 2	28%	1%
MATH-115 (Prob/Stats-Elem School Tchrs)	49		11	22%	
African-American	5	10%	2	40%	-18%
Asian	6	12%	1	17%	6%
Latino	28	57%	5	18%	5%
Two or More	2	4%	1	50%	-28%
White	8	16%	2	25%	-3%
MATH-116 (Geom/Msurement-Elem Schl Tchrs)	20		4	20%	· · · · · ·
African-American	2	10%	1	50%	-30%
Asian	2	10%	1	50%	-30%
Latino	11	55%	2	18%	2%
White	5	25%	-	0%	20%

Course by Department	# of	% of	# of D, F, NP, W	% of courses	Gap (<-10%
	enrollments	enoliment	INP, W	not passed	in red)
MATH-12 (Basic Arithmetic Skills) Basic Skills	1,099		570	52%	
African-American	269	24%	174	65%	-13%
Asian	46	4%	12	26%	26%
Latino	681	62%	342	50%	2%
Pacific Islander	6	1%	4	67%	-15%
Two or More	26	2%	14	54%	-2%
Unknown or Decline	2	0%	1	50%	2%
White	69	6%	23	33%	19%
MATH-120 (Nature of Mathematics)	336		124	37%	
African-American	47	14%	27	57%	-21%
Asian	42	13%	11	26%	11%
Latino	173	51%	67	39%	-2%
Pacific Islander	1	0%	-	0%	37%
Two or More	11	3%	4	36%	1%
Unknown or Decline	1	0%	1	100%	-63%
White	61	18%	14	23%	14%
MATH-130 (College Algebra)	800		326	41%	
African-American	85	11%	48	56%	-16%
Amer. Ind. or Alask. Native	1	0%	1	100%	-59%
Asian	178	22%	45	25%	15%
Latino	358	45%	167	47%	-6%
Pacific Islander	4	1%	-	0%	41%
Two or More	46	6%	23	50%	-9%
Unknown or Decline	9	1%	3	33%	7%
White	119	15%	39	33%	8%
MATH-140 (Finite Math Bus/Soc Sciences)	44		20	45%	
African-American	3	7%	2		-21%
Asian	15	34%	5	33%	12%
Latino	10	23%	8	80%	-35%
Pacific Islander	2	5%	1	50%	-5%
Two or More	3	7%	1	33%	12%
White	11	25%	3	27%	18%
MATH-150 (Elemntry Statistcs W/Probablty)	2,083		<del>9</del> 20	44%	
African-American	241	12%	148	61%	
Amer. Ind. or Alask. Native	2	0%	1	. 50%	
Asian	450	22%	5 119	26%	
Latino	1,003	48%	517	52%	
Pacific Islander	10	0%	; 4	40%	49
Two or More	93	4%	5 3E	5 3 <b>9%</b>	5%
Unknown or Decline	8	0%	5 1	13%	
White	276	13%	6 <b>9</b> 4	34%	10%

Fail 2014 and Spring 2015						
Course by Department	# of enroliments	% of enoliment	# of D, F, NP, W	% of courses not passed	Gap (<-10% in red)	
MATH-160 (Calc I for Biol, Mgmt/Soc Sci)	405		205	51%		
African-American	28	7%	22	79%	-28%	
Amer. Ind. or Alask. Native	2	0%	1	50%	1%	
Asian	138	34%	58	42%	9%	
Latino	153	38%	82	54%	-3%	
Pacific Islander	2	0%	2	100%	-49%	
Two or More	21	5%	11	52%	-2%	
Unknown or Decline	3	1%	1	33%	17%	
White	58	14%	28	48%	2%	
MATH-161 (Calc II for Biol,Mgmt/Soc Sci)	73		22	30%		
African-American	2	3%	1	50%	-20%	
Amer. Ind. or Alask. Native	1	1%	-	0%	30%	
Asian	33	45%	7	21%	9%	
Latino	21	29%	. 8	38%	-8%	
Two or More	5	7%	1	20%	10%	
Unknown or Decline	2	3%	1	50%	-20%	
White	9	12%	4	44%	-14%	
MATH-170 (Trigonometry)	820		420	51%		
African-American	66	8%	36	55%	-3%	
Amer. Ind. or Alask. Native	1	0%	1	100%	-49%	
Asian	159	19%	67	42%	9%	
Latino	454	55%	267	59%	-8%	
Pacific Islander	5	1%	-	0%	51%	
Two or More	27	3%	10	37%	14%	
Unknown or Decline	3	0%	1	33%	18%	
White	105	13%	38	36%	15%	
MATH-180 (Pre-Calculus)	716		321	45%		
African-American	51	7%	29	57%	-12%	
Asian	193	27%	58	30%	15%	
Latino	330	46%	181	55%	-10%	
Pacific Islander	5	1%	2	40%	5%	
Two or More	33	5%	12	36%	8%	
Unknown or Decline	2	0%	- 1	50%	-5%	
White	102	14%	38	37%	8%	
MATH-190 (Sgi Var Calc/Aniyt Geometry I)	686		320	47%		
African-American	36	5%	16	44%	2%	
Asian	245	36%	9 <del>9</del>	40%	6%	
Latino	264	38%	145	55%	-8%	
Pacific Islander	1	0%	1	100%	-53%	
Two or More	34	5%	14	41%	5%	
Unknown or Decline	3	0%	2	67%	-20%	
White	103	15%	43	42%	59	

Fall	2014 and Spring	2015			-
Course by Department	# of enrollments	% of enollment	# of D, F, NP, W	% of courses not passed	Gap (<-10% in red)
MATH-191 (Sgl Var Calc/Anlyt Geometry II)	532		248	47%	
African-American	30	6%	17	57%	-10%
Asian	198	37%	80	40%	6%
Latino	197	37%	101	51%	-5%
Pacific Islander	4	1%	3	75%	-28%
Two or More	21	4%	9	43%	4%
Unknown or Decline	2	0%	1	50%	-3%
White	80	15%	37	46%	0%
MATH-210 (Intro-Discrete Structures)	74		24	32%	
African-American	5	7%	-	0%	32%
Asian	33	45%	13	39%	-7%
Latino	21	28%	8	38%	-6%
Two or More	2	3%	1	50%	-18%
White	13	18%	2	15%	17%
MATH-220 (Multi-Variable Calculus)	203		54	27%	
African-American	9	4%	4	44%	-18%
Asian	68	33%	17	25%	2%
Latino	73	36%	24	33%	-6%
Pacific Islander	1	0%	-	-0%	27%
Two or More	14	7%	2	14%	12%
Unknown or Decline	1	0%	1	100%	-73%
White	37	18%	6	16%	10%
MATH-23 (Pre-Algebra) Basic Skills	1,045		397	38%	
African-American	187	18%	91	49%	-11%
Amer. Ind. or Alask. Native	1	0%	-	0%	38%
Asian	55	5%	17	31%	7%
Latino	693	66%	252	36%	2%
Pacific Islander	3	0%	2	67%	-29%
Two or More	31	3%	12	39%	-1%
Unknown or Decline	2	0%	-	0%	38%
White	73	7%	23	32%	6%
MATH-270 (Diffrntl Equatns Linear Algbra)	185		33	18%	
African-American	4	2%	1	25%	-7%
Asian	64	35%	7	11%	7%
Latino	65	35%	15	23%	-5%
Pacific Islander	2	1%	-	0%	18%
Two or More	15	8%	1	7%	11%
Unknown or Decline	2	1%	-	0%	18%
White	33	18%	9	27%	-9%

Fall 2014 and Spring 2015 Gap						
Course by Department	# of enrollments	% of enollment	# of D, F, NP, W	% of courses not passed	(<-10% in red)	
MATH-37 (Basic Accelerated Mathematics)	794		386	49%		
African-American	149	19%	7 <del>9</del>	53%	-4%	
Amer. Ind. or Alask. Native	4	1%	3	75%	-26%	
Asian	47	6%	15	32%	17%	
Latino	481	61%	242	50%	-2%	
Pacific Islander	3	0%	2	67%	-18%	
Two or More	29	4%	16	55%	-7%	
Unknown or Decline	2	0%	1	50%	-1%	
White	79	10%	28	35%	13%	
MATH-40 (Elementary Algebra)	1,475		771	52%		
African-American	268	18%	172	64%	-12%	
Amer. Ind. or Alask. Native	2	0%	2	100%	-48%	
Asian	114	8%	33	29%	23%	
Latino	886	60%	473	53%	-1%	
Pacific Islander	9	1%	4	44%	8%	
Two or More	51	3%	27	53%	-1%	
Unknown or Decline	6	0%	4	67%	-14%	
White	139	9%	56	40%	12%	
MATH-60 (Elementary Geometry)	254		104	41%		
African-American	29	11%	20	69%	-28%	
Amer. Ind. or Alask. Native	1	0%		0%	41%	
Asian	34	13%	12	35%	6%	
Latino	141	56%	58	41%	0%	
Pacific Islander	2	1%	1	50%	-9%	
Two or More	11	4%	5	45%	-5%	
Unknown or Decline	1	0%	-	0%	41%	
White	35	14%	8	23%	18%	
MATH-67 (General Education Algebra)	374		179	48%		
African-American	64	17%	45	70%	-22%	
Amer. Ind. or Alask. Native	1	0%	1	100%	-52%	
Asian	18	5%	3	17%	31%	
Latino	230	61%	104	45%	3%	
Pacific Islander	4	1%	3	75%	-27%	
Two or More	8	2%	4	50%	-2%	
Unknown or Decline	4	1%	3	75%	-27%	
White	45	12%	16	36%	a se su contra recorda.	

Course by Department	# of enrollments	% of enollment	# of D, F, NP, W	% of courses not passed	Gap (<-10% in red)
MATH-73 (Intermediate Algebra Gen Ed)	2,009		921	46%	
African-American	321	16%	177	55%	-9%
Amer. Ind. or Alask. Native	2	0%	1	50%	-4%
Asian	204	10%	63	31%	15%
Latino	1,151	57%	551	48%	-2%
Pacific Islander	12	1%	6	50%	-4%
Two or More	1.00	5%	47	47%	-1%
Unknown or Decline	8	0%	3	38%	8%
White	211	11%	73	35%	11%
MATH-80 (Intermed Alg - Sci/Engr/Math)	2,332		1,221	52%	
African-American	243	10%	153	63%	-11%
Amer. Ind. or Alask. Native	4	0%	1	25%	27%
Asian	351	15%	130	37%	15%
Latino	1,330	57%	758	57%	-5%
Pacific Islander	21	1%	11	52%	0%
Two or More	88	4%	46	52%	0%
Unknown or Decline	6	0%	1	17%	36%
White	289	12%	121	42%	10%