

MATHEMATICS DIVISION 2017-2018

Spring 2018 meetings

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.
Bonnie Blustein, Ph.D.
Zachary Brown
William Bucher
Tanshee Cheng
Henri Feiner
Thomas Harjuno
Jeremy Jankans, Ph.D.
Jamie Jenson
Manushak Movsisyan
Matthew Robertson
Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade
Patricia Arriola
Beyenne Bayssa
Adugna Bedassa
James Berns
Brian Carty
Safaa Dabagh
Lelisa Dera
Farrah Esmaeili
Junko Forbes
Nancy Foreman
Dan Franden
Jilbert Gharamanians
Juliana Howe
Carrie Huang
Alvin Kim
I-Shen Lai
Peter Lee
Ariel Mazzarelli
Mehdi Mirfattah
Rex Perez
Charmaine Raffel
Tim Russell
Peter Sarantopoulos
Aaron Simo
Wendy Tu, Ph.D.
James Ulrich
Jaime Vallejo
Jason Wang
Lan Xu

AGENDA DRAFT

Monday, April 16, 2018 2:40 – 4:00 p.m. MSB 214

WELCOME BACK MANUSHAK!

1. Agenda review
2. Public comment (if any)
3. Approve **minutes of meeting March 12, 2018** (attached)
4. Chair report
 - a. Evaluation project
 - b. AB 705 update – DMC letter and campus developments (see attachment below with screwed up format – I will print better copies for the meeting; I sent this out previously)
 - c. Departmental final exams (see below)
5. Textbook adoption issues – update
 - a. Need for common adoption for all sections of a multi-section course - Preferably free/low-cost – labelling in Fall 2018
 - b. Math 110: Keep or change?
 - c. Math 115: Keep or change? See MyOpenMath (below)
 - d. Math 125: Keep or change? LAVC – Vitaly Shvetsov has adapted Tyler Wallace Intermediate Algebra (MyOpenMath), fortified with some material from a College Algebra text. Would we want to use a version of this? Links below. You can request an instructor account and then login to Vitaly's course.
 - e. Math 227: Three different books are in use. What about open-source? See <https://www.openintro.org/>
 - f. Any suggested changes on other 200-level classes?
6. Academic Senate report – Jeremy – he is sending out his notes
7. Curriculum committee report – Tanshee
8. Academic Senate committee on DSPS – report – Zach?
9. Follow-up on campus safety issues – report – Matt?
10. New business

ANNOUNCEMENTS:

1. Departmental Final Exam committees:

Math 105 ***Zach**, Matt
Math 110/112 ***Henri**, Manushak
Math 115 ***William**, Thomas, Mohamad
Math 122 (Jamie has the only section)
Math 123A ***Jamie**, Bonnie
Math 123B ***Tanshee**, Bonnie
Math 125/123C ***Vidya**, Jeremy, Tanshee

2. Reminder that exams, tests, quizzes for DSPS students who request accommodations should be given in the DSPS testing area. They are working

MATHEMATICS DIVISION 2017-2018

Spring 2018 meetings

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.

Bonnie Blustein, Ph.D.

Zachary Brown

William Bucher

Tanshee Cheng

Henri Feiner

Thomas Harjuno

Jeremy Jankans, Ph.D.

Jamie Jenson

Manushak Movsisyan

Matthew Robertson

Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade

Patricia Arriola

Beyenne Bayssa

Aduana Bedassa

James Berns

Brian Carty

Safaa Dabagh

Lelisa Dera

Farah Esmaeili

Junko Forbes

Nancy Foreman

Dan Franden

Jilbert Gharamanians

Juliana Howe

Carrie Huang

Alvin Kim

I-Shen Lai

Peter Lee

Ariel Mazzairelli

Mehdi Mirfattah

Rex Perez

Charmaine Raffel

Tim Russell

Peter Sarantopoulos

Aaron Simo

Wendy Tu, Ph.D.

James Ulrich

Jaime Vallejo

Jason Wang

Lan Xu

on a waiver form for students to sign if they would prefer another arrangement.

3. If you taught a 100-level class in Fall 17 and have not yet gotten back to Bonnie with the students' grades/final exam scores, please do that soon
4. From Vitaly Shvetsov:

Last meeting we discussed using OERs in our Beginning and Intermediate Algebra Classes.

I use MyOpenMath.com (Course ID: 32207) with the following texts:

Beginning and Intermediate Algebra by Tyler Wallace

<http://www.wallace.ccfaculty.org/book/book.html>

College Algebra by Stitz and Zeager

<http://www.stitz-zeager.com/>

Tyler Wallace has workbooks available for his class. This will be useful if we teach Math 134 with the lab.

Feel free to browse through my template course.

Sincerely,

Vitaly Shvetsov

Los Angeles Valley College

Department of Mathematics

ShvetsVS@lavc.edu

MATHEMATICS DIVISION 2017-2018

Spring 2018 meetings

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.
Bonnie Blustein, Ph.D.
Zachary Brown
William Bucher
Tanshee Cheng
Henri Feiner
Thomas Harjuno
Jeremy Jankans, Ph.D.
Jamie Jenson
Manushak Movsisyan
Matthew Robertson
Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade
Patricia Arriola
Beyenne Bayssa
Adugna Bedassa
James Berns
Brian Carty
Safaa Dabagh
Lelisa Dera
Farrah Esmaeili
Junko Forbes
Nancy Foreman
Dan Franden
Jilbert Gharamanians
Juliana Howe
Carrie Huang
Alvin Kim
I-Shen Lai
Peter Lee
Ariel Mazzarelli
Mehdi Mirfattah
Rex Perez
Charmaine Raffel
Tim Russell
Peter Sarantopoulos
Aaron Simo
Wendy Tu, Ph.D.
James Ulrich
Jaime Vallejo
Jason Wang
Lan Xu

DRAFT Minutes of Meeting

Monday, **March 12, 2018** 2:40 – 4:00 p.m. MSB 214

Present: Blustein (chair); Brown, Bucher, Cheng, Feiner, Harjuno, Jankans, Jenson, Robertson, Swaminathan

Guest: Alvin Kim

The meeting was called to order at 2:40 p.m. The agenda was approved with the addition of several items of new business. (M/S/P)

There was no public comment.

The minutes of the meeting of February 12, 2018 were approved. (M/S/P)

There was further discussion of AB 705 and “Guided Pathways.” The following motions were made and approved:

1. The phase-out of the Math 123 sequence will begin by cancelling Math 123A in the fall (last section offered Summer 2018), offering the last Math 123B section(s) in Fall 2018 and the last Math 123C section(s) in Spring 2019. Archive 123 ABC in summer or fall of 2019. Indicate phase-out in schedule and catalog. (M Swaminathan/S/P)
2. Un-archive Math 100 and revise as 1-unit, 2-standard hours lab course to use as co-requisite for “just-in-time” algebra remediation. Each Math 100 section would be linked to a particular Mathematics class and would be taught by the teacher of that course. (M/S/P)
3. We will start the curriculum process to adapt (from LAVC) and adopt Math 134 (6 unit combined elementary-intermediate algebra) in spite of potential problems with it, in case it seems to be advisable to offer it at some future time. (M Bucher/S/P)
4. We will revise the COR for Math 236 to change the pre-requisite to Math 245 (College Algebra) instead of Math 125 (Intermediate Algebra), in line with many other colleges in the area, noting that students will still have the pre-requisite challenge option, and we will review and possibly revise the COR for Math 245 to focus appropriately. (M Jankans/S/P)

Two other action items were considered but not voted on:

5. We will consider options for linking Math 245 to Math 241 (Trigonometry): a. Make 245 prerequisite to 241; b. Make 245 co-requisite to 241; c. Add 245 as another prerequisite for Math 260.
6. We will invite all WLAC math faculty to consider signing the public letter being prepared by the LACCD District Math Committee and to consider participating in lobbying activities regarding AB 705.

MATHEMATICS DIVISION 2017-2018

Spring 2018 meetings

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.

Bonnie Blustein, Ph.D.

Zachary Brown

William Bucher

Tanshee Cheng

Henri Feiner

Thomas Harjuno

Jeremy Jankans, Ph.D.

Jamie Jenson

Manushak Movsisyan

Matthew Robertson

Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade

Patricia Arriola

Beyenne Bayssa

Adugna Bedassa

James Berns

Brian Carty

Safaa Dabagh

Lelisa Dera

Farrah Esmaeili

Junko Forbes

Nancy Foreman

Dan Franden

Jilbert Gharamanians

Juliana Howe

Carrie Huang

Alvin Kim

I-Shen Lai

Peter Lee

Ariel Mazzarelli

Mehdi Mirfattah

Rex Perez

Charmaine Raffel

Tim Russell

Peter Sarantopoulos

Aaron Simo

Wendy Tu, Ph.D.

James Ulrich

Jaime Vallejo

Jason Wang

Lan Xu

The letter on safety sent to the College president by the Science Division was presented and discussed. Motion to support the letter passed (M Robertson/S/P)

Mr. Cheng reported on progress with the Math 261 COR update and the related change in the Math 262 COR.

There was a brief discussion of common textbook adoption and moves toward low-cost solutions for students. We agreed informally to look at Vitaly Shvetsov's MyOpenMath class (Course ID: 32207) -- see Announcements (below)

Dr. Blustein gave a brief report on bringing faculty evaluations up to date and creating a schedule for the next six years.

Dr. Jankans reported on the upcoming Academic Senate vote on Division Realignment.

Mr. Kim indicated that he would like to start a math club. Ms. Jenson has recruited some interested students and others offered also to recruit. Mr. Kim should consult with Dr. Alwash about the previous incarnation of the Math Club. Students who wish to re-organize the club should consult ASO about how to proceed with the paperwork.

The meeting was adjourned at 4:00 p.m.

ANNOUNCEMENTS:

5. Departmental Final Exam committees:

Math 105 ***Zach**, Matt

Math 110/112 ***Henri**, Manushak

Math 115 ***William**, Thomas, Mohamad

Math 122 (Jamie has the only section)

Math 123A ***Jamie**, Bonnie (*Jeremy will help*)

Math 123B ***Tanshee**, Bonnie

Math 125/123C ***Vidya**, Jeremy, Tanshee

- Starting with Fall 2018, all instructors on the adjunct seniority list must be offered a 2nd class before anyone who is not already on the list can be offered one. The 2nd class offers do NOT have to go by seniority; the seniority list is treated as a "pool." NO classes can go to anyone not on the seniority list until everyone on the list has two classes, is maxed out, or refuses another assignment.
- Reminder that exams, tests, quizzes for DSPS students who request accommodations should be given in the DSPS testing area. They are working on a waiver form for students to sign if they would prefer another arrangement.
- NO math classes are due for SLOs this semester. If you have an old SLO evaluation that is overdue, Mary Jo and Luis would be happy to get it.

MATHEMATICS DIVISION 2017-2018

Spring 2018 meetings

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.

Bonnie Blustein, Ph.D.

Zachary Brown

William Bucher

Tanshee Cheng

Henri Feiner

Thomas Harjuno

Jeremy Jankans, Ph.D.

Jamie Jenson

Manushak Movsisyan

Matthew Robertson

Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade

Patricia Arriola

Beyenne Bayssa

Aduana Bedassa

James Berns

Brian Carty

Safaa Dabagh

Lelisa Dera

Farah Esmaeili

Junko Forbes

Nancy Foreman

Dan Franden

Jilbert Gharamanians

Juliana Howe

Carrie Huang

Alvin Kim

I-Shen Lai

Peter Lee

Ariel Mazzairelli

Mehdi Mirfattah

Rex Perez

Charmaine Raffel

Tim Russell

Peter Sarantopoulos

Aaron Simo

Wendy Tu, Ph.D.

James Ulrich

Jaime Vallejo

Jason Wang

Lan Xu

9. Software giveaway (test banks etc) in Bonnie's office. Will be discarded if nobody claims it.
10. Please turn in Work Block form and syllabi for Spring 2018 if you haven't already done so.
11. If you taught a 100-level class in Fall 17 and have not yet gotten back to Bonnie with the students' grades/final exam scores, please do that soon
12. From Vitaly Shvetsov:

Last meeting we discussed using OERs in our Beginning and Intermediate Algebra Classes.

I use MyOpenMath.com (Course ID: 32207) with the following texts:

Beginning and Intermediate Algebra by Tyler Wallace

<http://www.wallace.ccfaculty.org/book/book.html>

College Algebra by Stitz and Zeager

<http://www.stitz-zeager.com/>

Tyler Wallace has workbooks available for his class. This will be useful if we teach Math 134 with the lab.

Feel free to browse through my template course.

Sincerely,

Vitaly Shvetsov

Los Angeles Valley College

Department of Mathematics

ShvetsVS@lavc.edu

MATHEMATICS DIVISION
2017-2018

**Spring 2018
meetings**

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.

Bonnie Blustein, Ph.D.

Zachary Brown

William Bucher

Tanshee Cheng

Henri Feiner

Thomas Harjuno

Jeremy Jankans, Ph.D.

Jamie Jenson

Manushak Movsisyan

Matthew Robertson

Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade

Patricia Arriola

Beyenne Bayssa

Adugna Bedassa

James Berns

Brian Carty

Safaa Dabagh

Lelisa Dera

Farrah Esmaeili

Junko Forbes

Nancy Foreman

Dan Franden

Jilbert Gharamanians

Juliana Howe

Carrie Huang

Alvin Kim

I-Shen Lai

Peter Lee

Ariel Mazzarelli

Mehdi Mirfattah

Rex Perez

Charmaine Raffel

Tim Russell

Peter Sarantopoulos

Aaron Simo

Wendy Tu, Ph.D.

James Ulrich

Jaime Vallejo

Jason Wang

Lan Xu

SCIENCE DIVISION

James Limbaugh, Ph.D
President

West Los Angeles College

9000 Overland Ave.

Culver City, CA 90230

Re: Campus Active Shooter Safety

Dear President Limbaugh,

We, the undersigned faculty of the Science Division, wanted to reach out to you to respond to your heartfelt email regarding the most recent shooting in Parkland, Florida.

The recent epidemic of school shootings has concerned us greatly. Our concern stems primarily from the fact that faculty have no way of locking the classroom doors from the inside, quickly, easily and safely. Locking classroom doors from inside was thought to be one of the reasons why more students were not killed at Parkland. To begin to address this issue, we invited Vice-President Iris Ingram to attend our November 2016 division meeting so that we could review the College's action plan for active shooters, and discuss how our doors could be altered to keep faculty, staff and students safe. VP. Ingram informed us that the College plan includes reviewing and practicing the approved active shooter drills. In addition, she mentioned that district could not afford the cost of retrofitting doors so that they can lock from the inside of the classrooms and laboratories.

The overwhelming opinion from the faculty following this meeting was that this answer was unacceptable. While we recognize that there are a variety of doors in each campus building, monetary issues should never be the reason why we refuse to keep our campus community safe. While we wait for a more appropriate response and solution from our campus administrators and district officials, a few science faculty members have come up with their own creative systems to try to secure our doors during an event like this. These initiatives originated from the collective concern regarding VP. Ingram's response. While these are not the most elegant solutions, they could potentially slow an active shooter long enough to allow our students to protect themselves or deter him/her from entering a room entirely. These initiatives are also proof of the concern that our faculty has for the safety of our students. Undeniably, the best solution would be to install locks that could lock with a key on the outside and lock with a deadbolt from the inside. We were very disappointed and frustrated to hear from one of our vice-presidents that the district is unwilling to install such an option because of costs. After all, how much is a life worth? There are budgets for the construction of new buildings, but what

MATHEMATICS DIVISION 2017-2018

Spring 2018 meetings

2/12, 3/12, 4/16, 5/14
2:40 – 4:00 pm MSB 214

Division Chair

Bonnie Blustein, Ph.D.

Full Time Faculty

Mohamad Alwash, Ph.D.

Bonnie Blustein, Ph.D.

Zachary Brown

William Bucher

Tanshee Cheng

Henri Feiner

Thomas Harjuno

Jeremy Jankans, Ph.D.

Jamie Jenson

Manushak Movsisyan

Matthew Robertson

Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade

Patricia Arriola

Beyenne Bayssa

Adugna Bedassa

James Berns

Brian Carty

Safaa Dabagh

Lelisa Dera

Farrah Esmaeili

Junko Forbes

Nancy Foreman

Dan Franden

Jilbert Gharamanians

Juliana Howe

Carrie Huang

Alvin Kim

I-Shen Lai

Peter Lee

Ariel Mazzaelli

Mehdi Mirfattah

Rex Perez

Charmaine Raffel

Tim Russell

Peter Sarantopoulos

Aaron Simo

Wendy Tu, Ph.D.

James Ulrich

Jaime Vallejo

Jason Wang

Lan Xu

about the safety of the old ones?

Therefore, we are respectfully asking you, as our president, to take up the charge on behalf of our faculty and students to contact our district officials to demand that the LACCD establish a budget to invest in the safety and protection of our faculty and student. As these tragic and horrifying mass shooting events continue to happen, we should not continue to delay the implementation of active shooter safety measures in our campus buildings. Other colleges, such as Santa Monica College, have recently taken real steps to protect their student body. We do not know what the exact solution for our doors is, but we do know that finding one is of the utmost importance.

We know how much you truly care about this college, and we cannot think of a better person to represent us in this most important and pressing matter. We hope that you consider our request for representation.

Sincerely,

Full Time Faculty

Mohamad Alwash, Ph.D.
Bonnie Blustein, Ph.D.
Zachary Brown
William Bucher
Tanshee Cheng
Henri Feiner
Thomas Harjuno
Jeremy Jankans, Ph.D.

West Los Angeles College

MATHEMATICS DIVISION

2017-2018

Jamie Jenson
Manushak Movsisyan
Matthew Robertson
Vidya Swaminathan, Ph.D.

Curriculum
Committee

Tanshee Cheng

Discussion of AB 705 should include consideration of the recommendations of the ASCCC Math & Quantitative Reasoning Task Force (to be discussed at the ASCCC Spring Plenary). These include development of three courses (and possibly a 4th):

Academic Senate Rep

Jeremy Jankans, Ph.D.

• Foundations of Algebra for Math-Intensive Fields (revised/enhanced Math 125)
<https://asccc.org/sites/default/files/Foundations%20of%20Algebra%20for%20Math-Intensive%20Fields%20.pdf>

Adjunct Rep
(Vacant)

Adjunct Faculty:

Cynthia Andrade
Patricia Arriola
Beyenne Bayssa
Aduana Bedassa
James Berns
Brian Carty
Safaa Dabagh
Lelisa Dera
Farrah Esmaeili
Junko Forbes
Nancy Foreman
Dan Franden
Jilbert Gharamanians
Juliana Howe
Carrie Huang

• Fundamentals of Algebra for Statistics or Liberal Arts (revised/enhanced Math 122)
<https://asccc.org/sites/default/files/Fundamentals%20of%20Algebra%20for%20Statistics%20or%20OLiberal%20Arts%20.pdf>

• Elementary Mathematics (for those not prepared for either of the above courses)
<https://asccc.org/sites/default/files/Elementary%20Mathematics%20.pdf>

The possible 4th course would be a “bridge” for students who pass the “Fundamentals” course and then want to change into a STEM or Business pathway.

G-ID descriptors are in-process or forthcoming for these classes.

Charmaine Raffel
Tim Russell
Peter Santopoulos
Aaron Simo
Wendy Tu, Ph.D.
James Ulrich
Jaime Vallejo
Jason Wang
Lan Xu

See <https://asccc.org/sites/default/files/MQR%20Pathways%20Option%20Flow%20Chart%203-3-2018.pdf> for a schematic view
<https://asccc.org/sites/default/files/MQRTEF%20Recommendations%203-3-2018.pdf> for the MQRTEF recommendations (Part 1)

Full Time Faculty

Mohamad Alwash, Ph.D.
 Bonnie Blustein, Ph.D.
 Zachary Brown
 William Bucher
 Tanshee Cheng
 Henri Feiner
 Thomas Harjuno
 Jeremy Jankans, Ph.D.

West Los Angeles College

MATHEMATICS DIVISION

2017-2018

Jamie Janson
 Manushak Movsisyan
 Matthew Robertson
 Vidya Swaminathan, Ph.D.

Curriculum

Committee Rep

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

1. According to Marty Turner's data, about 20% of incoming students (among those who do math assessment) place into Intermediate Algebra. They can go into Math 125 (STEM, Business) or Math 122 (leading to Statistics or College Algebra) during their first regular semester and a 200-level class their second regular semester. In line with the AB 705 model, there should be a "plus" option and intensive academic advisement to increase the probability of success on the first try.

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
Adjunct Faculty:	125 or 125+		2xx or 2xx+				

Adjunct Faculty:

Cynthia Andrade
 Patricia Arriola
 Beyenne Bayssa
 Adugna Bedassa
 James Berns
 Brian Carty
 Safaa Dabagh
 Lelisa Dera
 Farrah Esmaili
 Junko Forbes

2. Same data set shows 7%-10% placing directly into a 200-level course, which they can therefore take during their first semester.

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
	2xx or 2xx+						

Nancy Foreman
 Dan Franden
 Gilbert Gharamanian
 Juliana Howe
 Carrie Huang
 Alvin Kim
 I-Shen Lai
 Peter Lee
 Ariel Mazzarelli
 Mehdi Mirfatah
 Rex Perez
 Charmaine Rafferty
 Tim Russell
 Peter Sarantopoulos
 Aaron Simo
 Wendy Tu, Ph.D.
 James Ulrich
 Jaime Vallejo
 Jason Wang
 Lan Xu

Those groups are not a problem. The problems are:

3. Same data (even looking only at placements from Summer 17 or later) show 32%-38% placing into Elementary Algebra (Math 115). Options would include:

- a. Advise them directly into an enhanced Intermediate Algebra even though their "multiple-measures" placement does NOT indicate that this is appropriate. They could possibly do non-credit Algebra in the preceding intersession.

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
(NCR Alg)	125 or 125+		2xx or 2xx+				

- b. Advise them into non-credit Elementary Algebra their first regular semester, and then enhanced intermediate algebra their second regular semester (that is, within first year). The "clock" would not start until the Intermediate Algebra, so this would (I think) be a pathway that complies with AB 705. The

Full Time Faculty

Mohamad Alwash, Ph.D.

Bonnie Blustein, Ph.D.

Zachary Brown

William Bucher

Tanshee Cheng

Henri Feiner

Thomas Harjuno

Jeremy Jankans, Ph.D.

Jamie Jenson

Manushak Movsisyan

Matthew Robertson

Vidya Swaminathan, Ph.D.

Curriculum**Committee Rep**

Tanshee Cheng

Academic Senate Rep

Jeremy Jankans, Ph.D.

Adjunct Rep

(Vacant)

Adjunct Faculty:

Cynthia Andrade

Patricia Arriola

Beyenne Baysa

Adugna Bedassa

James Berns

Brian Carty

Safaa Dabagh

Lelisa Dera

Farrah Esmaili

Junko Forbes

Nancy Foreman

Dan Franden

Jilbert Gharamians

Juliana Howe

Carrie Huang

Alvin Kim

I-Shen Lai

Peter Lee

Ariel Mazzarelli

Mehdi Mirfatah

Rex Perez

Charmaine Raffel

Tim Russell

Peter Sarantopoulos

Aaron Simo

Wendy Tu, Ph.D.

James Ulrich

Jaime Vallejo

Jason Wang

Lan Xu

West Los Angeles College**MATHEMATICS DIVISION****2017-2018**

problem is that we are expecting them to learn Elementary Algebra on top of 12-15 units of credit course work in other subjects.

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
(NCR Alg)			125 or 125+	(backup)	2xx or 2xx+		

- c. Advise them of the availability of options (a) and (b) but allow them to choose Math 115 instead for their first semester (starting the clock) with a path to complete their transfer-level class within 3 semesters (instead of 2) if they prefer this non-AB 705 pathway.

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
(NCR Pre-Alg)	115 or 115+		125 or 122 or 125+ or 122+	(backup)	2xx or 2xx+		

Unfortunately, the data show 35%-50% of students placing BELOW Math 115 (since summer 2017- includes MMR).

These students urgently need really good academic advisement from the start. Some may be interested in a certificate program that might not require a free-standing math class at all. However, students who seek an AA or AS or AA-T or AS-T are in a real bind. There is NO GOOD OPTION CONSISTENT WITH AB-705. The possibilities would seem to be:

- d. They could be advised to take non-credit Pre-Algebra in the intersession before their first regular semester and then non-credit Elementary Algebra during their first semester. They would then be “on-track” to start CREDIT math during their second regular semester with Intermediate Algebra (“plus”), starting the AB 705 clock. This is AB-705 consistent BUT it is not a *good* option for at least two reasons: 1. Many students will likely not want to take a math class during the summer, particularly if it is non-credit—or they may start and not stick with it; 2. The same problem mentioned above—having to learn Elementary Algebra on top of 12-15 units of credit work their first full semester.

Full Time Faculty

Mohamad Alwash, Ph.D.
 Bonnie Blustein, Ph.D.
 Zachary Brown
 William Bucher
 Tanshee Cheng
 Henri Feiner
 Thomas Harjuno
 Jeremy Jankans, Ph.D.

West Los Angeles College

MATHEMATICS DIVISION

2017-2018

Jamie Jenson
 Manushak Movsisyan
 Matthew Robertson
 Vidya Swaminathan, Ph.D.

Curriculum Committee Rep
 Tanshee Cheng

Academic Senate Rep
 Jeremy Jankans, Ph.D.

Adjunct Rep
 (Vacant)

Adjunct Faculty:

Cynthia Andrade
 Patricia Arriola
 Beyenne Baysa
 Aduana Bedassa
 James Berns
 Brian Carty
 Safaa Dabagh
 Lelisa Dera
 Farrah Esmaeili
 Junko Forbes
 Nancy Foreman
 Dan Franden
 Jilbert Gharamanians
 Juliana Howe
 Carrie Huang
 Alvin Kim
 I-Shen Lai
 Peter Lee
 Ariel Mazzarelli
 Mehdi Mirfatah
 Rex Perez
 Charmaine Raffel
 Tim Russell
 Peter Sarantopoulos
 Aaron Simo
 Wendy Tu, Ph.D.
 James Ulrich
 Jaime Vallejo
 Jason Wang
 Lan Xu

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
(NCR Pre-Alg)	(NCR Alg)		122 or 122+ or 125 or 125+		2xx or 2xx+		

- e. They could be advised to take non-credit Pre-Algebra their first semester, non-credit Elementary Algebra their second semester, and start credit Intermediate Algebra (and the AB 705 clock) in their third semester. This is probably AB 705 compliant BUT not okay for Promise students. And, again, it has them trying to learn a lot of math on top of a full-time credit program.

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
	(NCR Pre-Alg)		(NCR Alg)		122 or 122+ or 125 or 125+		2xx or 2xx+

- f. They could be advised of AB 705-compliant options but also be given the chance to follow the pre-AB 705 standard sequence but with enhancement to increase likelihood of passing the first time:

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
	Math 110+		Math 115+		122 or 122+ or 125 or 125+		2xx or 2xx+

- g. Apparently state authorities would like us simply to put them into “enhanced” Intermediate Algebra their first semester even though their multiple-measures placement does not predict success even in Elementary Algebra. Maybe a few would survive.... Maybe not. Probably the worst option. Some would call it educational malpractice.

Full Time Faculty

Mohamad Alwash, Ph.D.
 Bonnie Blustein, Ph.D.
 Zachary Brown
 William Bucher
 Tanshee Cheng
 Henri Feiner
 Thomas Harjuno
 Jeremy Jankans, Ph.D.

West Los Angeles College

MATHEMATICS DIVISION

2017-2018

Jamie Jenson
 Manushak Movsisyan
 Matthew Robertson
 Vidya Swaminathan, Ph.D.

Curriculum Committee Rep

Tanshee Cheng

SUMMER 1	FALL 1	WINTER 1	SPRING 1	SUMMER 2	FALL 2	WINTER 2	SPRING 2
(NCR Alg)	125 or 125+		2xx or 2xx+				

Academic Senate Rep

Jeremy Jankans, Ph.D.

4. A few other possibilities that might align with a particular Guided pathway:
- A STEM pathway that would be accessible to students with limited Algebra experience (i.e., placing into Math 115). It would require 8 units of math each semester, using 8-week sessions, and would allow completion of the entire STEM math sequence within 3 years:

Adjunct Rep
(Vacant)

Adjunct Faculty

Cynthia Andrade
 Patricia Arriola
 Beyenne Baysa
 Adugna Bedassa
 James Berns
 Brian Carty
 Safaa Dabagh
 Lelisa Dera
 Farrah Esmaeili
 Junko Forbes
 Nancy Foreman
 Dan Franden
 Jilbert Gharamian
 Juliana Howe
 Carrie Huang
 Alvin Kim
 I-Shen Lai
 Peter Lee
 Ariel Mazzarelli
 Mehdi Mirfatah
 Rex Perez
 Charmaine Raffel
 Tim Russell
 Peter Sarantopoulos
 Aaron Simo
 Wendy Tju, Ph.D.
 James Ulrich
 Jaime Vallejo
 Jason Wang
 Lan Xu

FALL 1		SPRING 1		FALL 2	SPRING 2	FALL 3	SPRING 3
123A	123B	123C	241	260	261	262	263 + 270

- A LIBERAL STUDIES/HUMANITIES pathway that MIGHT be possible IF we can articulate an enhanced Math 230 or a 5-unit Quantitative Reasoning class (?Math 201?) WITHOUT an Intermediate Algebra prerequisite

FALL 1	WINTER 1	SPRING 1
115 or 115+ (if needed)		230+ or new QR class

- The “enhanced Intermediate Algebra” could be the 6-hour Math 134: either 5 lec + 2 lab or 4 lec + 4 lab. See course descriptions proposed by ASCCC MQRTF

- A note on scheduling: Either of the following (or something similar) could accommodate a 5-unit Math class with a 2-hour “enhancement” (credit, non-credit, built-into Math 134, etc): The math class uses one four-day time slot (as it does now) and the “enhancement” uses an adjacent two-day time slot (MW or TR). The 3A, 3B, 3C

Full Time Faculty

Mohamad Alwash, Ph.D.
 Bonnie Blustein, Ph.D.
 Zachary Brown
 William Bucher
 Tanshee Cheng
 Henri Feiner
 Thomas Harjuno
 Jeremy Jankans, Ph.D.
 Jamie Jenson
 Manushak Movsisyan
 Matthew Robertson
 Vidya Swaminathan, Ph.D.

West Los Angeles College

MATHEMATICS DIVISION

2017-2018

stand for three three-unit classes so that $5 + 3 + 3 + 3 = 14$ units. With a 1-unit Math 100 enhancement, that would total 15 units.

Curriculum

Committee Rep

Tanshee Cheng

It is NOT clear to me how “enhancement” (credit or non-credit) would work with evening classes.

Academic Senate Rep

Jeremy Jankans, Ph.D.

	M	T	W	Th	F or S
8:00	3A	Math+	3A	Math+	
9:35	Math	Math	Math	Math	
11:10	3B	3C	3B	3C	
1:00					

Adjunct Rep

(Vacant)

	M	T	W	Th	F or S
8:00	3A	3B	3A	3B	
9:35		3C		3C	
11:10	Math	Math	Math	Math	
1:00	Math+		Math+		

Cynthia Andrade
 Patricia Arriola
 Beyenne Baysa
 Adugna Bedassa
 James Berns
 Brian Carty
 Safaa Dabagh
 Lelisa Dera
 Farrah Esmaili
 Junko Forbes
 Nancy Foreman
 Dan Franden
 Jilbert Gharamanians
 Juliana Howe
 Carrie Huang
 Alvin Kim
 I-Shen Lai
 Peter Lee
 Ariel Mazzarelli
 Mehdi Mirfatah
 Rex Perez
 Charmaine Raffel
 Tim Russell
 Peter Sarantopoulos
 Aaron Simo
 Wendy Tu, Ph.D.
 James Ulrich
 Jaime Vallejo
 Jason Wang
 Lan Xu