



Course Registration and Transcripts

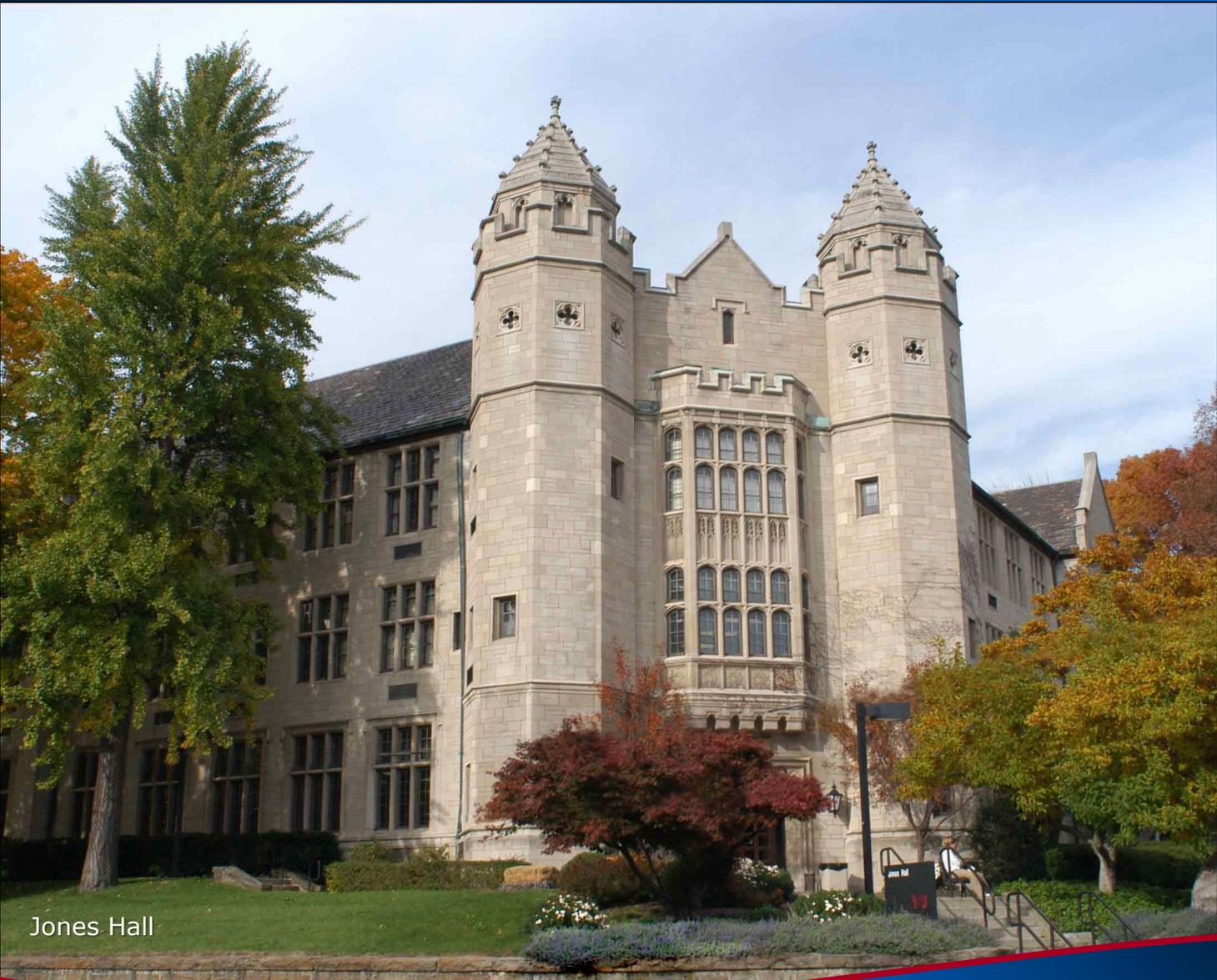
Lori Carlson, Youngstown State University

Heidi Loshbaugh, consultant and formerly of Community College of Denver

Stephanie Sutton, Stark State College

October 26, 2018

Symposium on Co-Requisite Approaches in Math



Jones Hall

Co-Requisite Transition

College Algebra Track			
School Year	Developmental Sections	Co-Requisite Sections	
2016-17	26	1	4
2017-18	22	4	1
2018-19	11	12	2*

Quantitative Reasoning/Statistics/Early Education Track			
School Year	Developmental Sections	Co-Requisite Sections	
2016-17	16	1	1
2017-18	14	3	2
2018-19	0	7	6*

*Projected Numbers

Co-Requisite Model

- Regular courses have not changed.
- New course (co-requisite) was created with developmental hours.
- Regular course has one specific corresponding co-requisite course.
- Same instructor for BOTH courses with all the same students.
- All students in the courses are developmental students take BOTH courses.
- The platform is a cross between just in time remediation and extended time.

Instructor Issue

Because the same instructors are used for BOTH courses, they must have the credentials per ODHE (18+ graduate hours). This has caused a shortage of qualified instructors. We have no solution to this problem.

Registration Issue

Courses as they appear in Banner for Registration

- *College Algebra (1510) CA Co-Requisite (1510C)*
- *Quantitative Reasoning (2623) QR Co-Requisite (2623C)*
- *Statistics (2625) Stat Co-Requisite (2625C)*

No change was made with the catalog numbers of the regular course so that there was no interference with transcripts, OTM, cross campus prerequisites.

However, this **caused a problem** with the Banner System that we use. We could not link the specific CRN courses of the regular sections to the corresponding co-requisite section.

Solution: MAJOR advisor training. Also, Banner will now give an error if the student is not in the corresponding regular course linked to the co-requisite course chosen. The other way around is not possible.

Advisor Notes

How to Schedule MATH 1510 and 1510C

Fall 2018

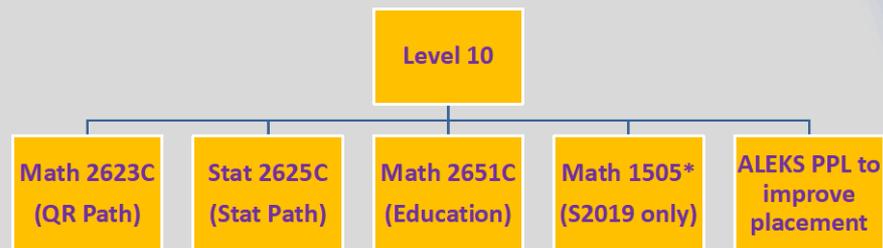
- Advisers need to enter **two** overrides to give a student the ability to register for a co-requisite course. Both overrides, one pre-requisite and one special approval, need to be entered for the specific CRN for the college-level course (in this case, MATH 1510).
- Students should add both CRNs to their registration worksheets at the same time to avoid pre-requisite errors.
- Each pair **MUST** be block scheduled according to the following chart.

Please Note: Options 3 and 6 have been recently added.

	Monday	Tuesday	Wednesday	Thursday	Friday
8-8:50 a.m.	MATH 1510 (CRN 44351)	MATH 1510 (CRN 44351)	MATH 1510 (CRN 44351)		MATH 1510 (CRN 44351)
9-9:50 a.m. <i>(option 1)</i>	MATH 1510C (CRN 44352)		MATH 1510C (CRN 44352)		
9-9:50 a.m.		MATH 1510C (CRN 44055)			MATH 1510C (CRN 44055)
10-10:50 a.m. <i>(option 2)</i>	MATH 1510 (CRN 43552)	MATH 1510 (CRN 43552)	MATH 1510 (CRN 43552)		MATH 1510 (CRN 43552)
9-9:50 a.m.	MATH 1510 (44801)	MATH 1510 (44801)	MATH 1510 (44801)		MATH 1510 (44801)
10-10:50 a.m. <i>(option 3)</i>		MATH 1510C (44803)			MATH 1510C (44803)
10-10:50 a.m.	MATH 1510 (CRN 44355)	MATH 1510 (CRN 44355)	MATH 1510 (CRN 44355)		MATH 1510 (CRN 44355)
11-11:50 a.m. <i>(option 4)</i>	MATH 1510C (CRN 44356)		MATH 1510C (CRN 44356)		

Additional options on next page

Mathematics and Statistics L10 Placement Guide Spring 2019



* Note: Students enrolled in Math 1505 will be working on ALEKS PPL in class to improve placement. They will need to achieve a level 35 placement by the end of the semester in order to receive a C or higher in the course. We intend to replace Math 1505 with a new course (with better grading options) in Fall 2019 in order to lessen the impact to student gpa. Students should be advised of the impact this course could have on gpa prior to registration for the course.

Registration Issues

Each student needed 2 overrides

- *Course Special Approval for both regular course and co-req course*
- *Pre-requisite for regular course*

This created unsurmountable amount of man-hours to accomplish for each student. When it went to scale, not realistic.

Partial Solution 1: We were able to change the regular course pre-requisite to read, “*LVL 35 **or** concurrent enrollment to 1510C*”. This solved the pre-requisite override issue. The special approval override is still necessary.

Partial Solution 2: Advisors pre-register new students to save time while students are in their office.

Course Registration and Transcripts

Heidi Loshbaugh, Independent Consultant

Course Registration & Transcripts Panel

Symposium on Co-Requisite Approaches in Math

Stephanie M. Sutton, EdD
Vice President for Enrollment Management
Stark State College
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- Chartered in 1960
- Conveniently located in the Akron/Canton area
 - Main Campus North Canton
 - Stark Stake College Akron
 - Additional locations in Downtown Canton, Alliance, and Barberton
- Over 15,000 students annually
- 2nd largest provider of Dual-Enrolled high school students in Ohio
- 25% transfer degree graduates
- 75% technical degree graduates

- High quality degree programs with industry partners – Timken, Ariel, First Energy, and Sandia
- 63% part time
- 37% full time
- Average age 29
- 84% of students work while attending college
- 60% receive financial aid/scholarships
- 53% new students are Pell eligible
- In-state tuition \$169.60
- Accredited by Higher Learning Commission

Co-requisite Statistics SSC



Before Redesign

- All developmental courses 8-week, 2-credit hours
- Emporium/ modularized modality (computer-based & self-paced)
- Students who tested two tiers below college-ready take 3 developmental courses (1.5 semesters) before attempting Statistics
- Self-paced, could finish all three in one semester -very few did

Co-requisite Redesign

- In 2016, designed co-requisite model targeted at one tier below college-ready
- Developmental paired course is 2-credit hours (emporium modality)
 - The content designed to line up specifically with outcomes in Statistics
- Statistics course is 3 credit hours
- Paired classes as a 5-credit hour “shell” course (can’t sign up for the co-requisite independent of the Statistics class)
- After 1st week of term, the shell course is split into two separate courses.

Banner Registration View

Shell class - MTH124S

Sections Found																			
MTH Mathematics																			
Select	CRN	Subj	Crse	Sec	Cmp	Cred	Title	Days	Time	Cap	Act	Rem	WL	WL	WL	Instructor	Date (MM/DD)	Location	Attribute
													Cap	Act	Rem				
<input type="checkbox"/>	49451	MTH	124S	005	M	5.000	Statistics with Co-Requisite	MW	11:00 am-11:50 am	15	2	13	10	0	10	TBA	01/14-05/12	MAIN E205	
								MW	12:00 pm-01:15 pm							TBA	01/14-05/12	MAIN K213	

Comprehensive View - CRN: 49451

Sections Found						
Statistics with Co-Requisite - 49451 - MTH 124S - 005						
Associated Term: Spring 2019						
Registration Dates: Oct 15, 2018 to May 12, 2019						
Levels: Undergraduate						
Main Campus						
Lecture Schedule Type						
Lecture Instructional Method						
5.000 Credits						
View Catalog Entry						
Scheduled Meeting Times						
Type	Time	Days	Where	Date Range	Schedule Type	Instructors
Class	11:00 am - 11:50 am	MW	Main Campus E205	Jan 14, 2019 - May 12, 2019	Lecture	TBA
Class	12:00 pm - 1:15 pm	MW	Main Campus K213	Jan 14, 2019 - May 12, 2019	Lecture	TBA

Results

Before Redesign

- 15% of students who attempted the third developmental course, and needed Statistics, passed Statistics within two additional terms
 - 48% didn't complete the 3rd developmental course
 - 52% of those who did pass didn't attempt Statistics within two terms

Co-requisite Redesign

- Began Summer 2017
- 400 students enrolled to date
- 56% of students passed in the same term
- 4x as many students complete college level math in one term instead of three



- Chartered in 1963
- Elyria, OH campus opened 1966
- 20 Minutes West of Cleveland
- Diverse County—Suburban, Urban and Rural
- Population mirrors county composition
- 14,500 LCCC Students
- 3,000 University Partnership Students
- 70% Part-time Students
- 30% Full-time Students
- 69% Receive Financial Aid/Scholarships
- 40% Pell eligible
- In county tuition \$134.04 per credit hour
- Accredited by the Higher Learning Commission

Co-requisite Quantitative Reasoning



Before Redesign

- Up to 4- 2 hour DVED courses delivered in 8 week sessions (calculus track)
- One year if enter at lowest level before enrollment in college level course
- No Quantitative Reasoning

Co-requisite Redesign – MTHM 098/158

- 1st community college in Ohio to have QR accepted as part of transfer module
- Fall 2017
 - 9 students registered
 - No placement cutoff score at this time
 - 4 out of 9 passed with both courses with a C or better (44.4%)
- Spring 2018
 - placed students into the co-requisite based on a cutoff score
 - 7 out of 10 passed both with C or better (70%)
- Summer 2018
 - 2 out of 2 passed both (100%)

PeopleSoft Co-requisite View



- Current Process:
 - Two companion courses are built individually with specific section coding that matches
 - Division sends list to advisors who uses matching sections – manual
 - Advisor registers in co-requisite model
 - Co-requisite course assigned to a specific section
- New Solution (below) in test
 - When someone is trying to enroll a student to course, it has to have the pair
 - Creates checks and balances with PeopleSoft

▼ Error Messages

Message Sequence:	1	Severity:	Error	Last Update DateTime:	10/12/18 4:32:14PM
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Requisites not met for Class, not enrolled. (14640,18)

Requirements have not been met to enroll in the specified class. The enrollment transaction was not processed.

ENGL 061 & 161 Pairing

Course placement policy: Grade of C or higher in ENGL 011 or satisfactory placement score in English. Must be taken at the same time as ENGL 161.

Results

- 100% of students who got an A in MTHM 098 passed MTHM 158 (C or better)
- 55.6% of students who got a B in MTHM 098 passed MTHM 158 (C or better)
- 0% of students who got a C or below in MTHM 098 passed MTHM 158
- Students in co-req pass at a higher rate - 61.9% vs 54.5% (in the same term)

Transcripts & Next Steps

- No issues in transcribing the courses
 - Development portion transcribed as developmental
 - College level course transcribed as college level
- Stark State College
 - Submitting College Algebra co-requisite to curriculum to begin Summer/Fall 2018-19
- Lorain County Community College
 - Low enrollment in this co-req due to the fact that most of our students do not need to take QR, but rather need Statistics
 - Co-requisite model for Statistics is currently being developed

Registration: Participant Discussion

What registration or transcribing issues still remain for scaling?

If your campus has addressed its issues, what lessons would you share with your peers?

- ✓ Clarifying questions for the panel
- ✓ Discuss at your tables
- ✓ Have someone take notes
- ✓ Feel free to list questions for panel after discussion period



Thank You

Lori Carlson, Youngstown State University

Heidi Loshbaugh, higher education consultant

Stephanie Sutton, Stark State College

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