

The “Down and Dirty” of Teaching Co-requisite Courses

AMATYC Conference 2018
Orlando, FL
Session S167

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Objectives

- ▶ Overview of co-requisite courses.
- ▶ Challenges and successes in teaching co-requisite courses.
- ▶ Encourage sharing of best practices and strategies.

Disclaimer: We are still working it out!

Co-requisite Definition and Legislation in Texas

- ▶ HB 2223 – Underprepared students are enrolled in an entry-level college course while co-enrolled in a developmental education course/intervention designed to support the student's successful completion of the college-level course.
- ▶ Requires:
 - ▶ 25% in Fall 2018
 - ▶ 50% in Fall 2019
 - ▶ 75% in Fall 2020

Co-requisite Design Models

- ▶ Collin College
- ▶ Midland College
 - ▶ Scheduling
 - ▶ Staffing
 - ▶ Advising

Reactions from Instructors and Students

- ▶ What has worked best?
 - ▶ [Reaction Video \(https://youtu.be/peXMoc9jwcl\)](https://youtu.be/peXMoc9jwcl)
- ▶ What challenges have you faced in teaching a co-requisite course?
 - ▶ [Reaction Video \(https://youtu.be/Hox-9419q1Y\)](https://youtu.be/Hox-9419q1Y)
- ▶ Student Evaluations – Data from Collin College
 - ▶ [Survey \(https://www.surveymonkey.com/results/SM-XTNRK7W9L/ \)](https://www.surveymonkey.com/results/SM-XTNRK7W9L/)
- ▶ Student Reaction Video (<https://youtu.be/8GNJyQV0OZA>)

Sharing of Best Practices and Strategies

- ▶ Share with the group your best practices.
 - ▶ What has worked well or what ideas do you have for implementation?
 - ▶ What are the challenges when teaching in a co-requisite model or what downfalls might you want to avoid on your campus when implementing a co-requisite model?

Thank you!

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Resources

Co-requisite Support Materials. Retrieved from <https://www.utdanacenter.org/our-work/higher-education/higher-education-curricular-resources/co-requisite-support-materials>

Complete College America. Retrieved from <http://completecollege.org/spanningthedivide/>

Complete College America (2018). *Corequisite support*. Retrieved from <https://completecollege.org/strategy/corequisite-support/>

Daugherty, et. al. (2018). *Designing and implementing corequisite models of developmental education*. Retrieved from https://www.rand.org/content/dam/rand/pubs/research_reports/RR2300/RR2337/RAND_RR2337.pdf

Journal of College Academic Support Programs (2018). Retrieved from <https://journals.tdl.org/jcasp/index.php/jcasp/index>

MATH 0310/1314 - College Algebra Coreq - Tentative Course Schedule (Spring 2018)

Date	Day	Chapter/Section Covered	Comments
	M	NO CLASS - MLK Day	
Week 1	W	Syllabus; Review Worksheet	ALEKS Initial Knowledge
(01/15 - 01/21)	F	Sec 1.3 - Complex Numbers; Sec R.2 - Exponent Rules	Check due 01/21
	M	Sec R.3 - Simplifying Radicals; Sec R.4 - FOIL	
Week 2	W	Sec R.5 - Factoring	
(01/22 - 01/28)	F	Sec R.5 - Factoring, Sec 1.4 - Solving Equations by Factoring	
	M	Sec 1.6 - Solving Radical Equations	
Week 3	W	Test 1 Review	
(01/29 - 02/04)	F	Test 1	ALEKS Module 1 due 02/04
	M	Sec 1.7 - Linear Inequalities and Interval Notation	
Week 4	W	Sec 2.1 - Graphing using a Chart and Finding Intercepts	
(02/05 - 02/11)	F	Sec 2.3 - Functions and Relations	
	M	Sec 2.4 - Linear Equations, Slope, Slope-Intercept Form	
Week 5	W	Test 2 Review	
(02/12 - 02/18)	F	Test 2	ALEKS Module 2 due 02/18
	M	Sec 2.6 - Transformations of Graphs	
Week 6	W	Sec 2.7 - Even and Odd Functions, Piecewise Functions	
(02/19 - 02/25)	F	Sec 2.8 - Algebra of Functions, Difference Quotient	
	M	Sec 1.4 - Square Root Property and Quadratic Formula	
Week 7	W	Sec 3.1 - Quadratic Functions and Applications	
(02/26 - 03/04)	F	NO CLASS - Professor will be Out	
	M	Sec 3.1 - Quadratic Functions and Applications	
Week 8	W	Test 3 Review	
(03/05 - 03/11)	F	Test 3	ALEKS Module 3 due 03/11
Week 9	SPRING BREAK		
(03/12 - 03/18)			
	M	Sec R.2 - Negative Exponents; Sec 3.2- Polynomial Functions	
Week 10	W	Sec 3.2 - Polynomial Functions	
(03/19 - 03/25)	F	Sec 3.3 - Division of Polynomials	
	M	Sec 3.4 - Zeros of Polynomials	
Week 11	W	Sec R.6, 3.5 - Rational Functions	
(03/26 - 04/01)	F	NO SCHOOL - Spring Holiday	
	M	Test 4 Review	
Week 12	W	Test 4	
(04/02 - 04/08)	F	Sec 4.1 - Inverse Functions, Sec 4.2 - Exponential Functions	ALEKS Module 4 due 04/08
	M	Sec 4.3 - Log Functions; Sec 4.4 - Properties of Log Functions	
Week 13	W	Sec 4.5 - Exponential and Logarithmic Equations	
(04/09 - 04/15)	F	Sec 4.6 - Modeling with Exponential Functions	
	M	Test 5 Review	
Week 14	W	Test 5	
(04/16 - 04/22)	F	Sec 5.1 - Systems of Linear Equations	ALEKS Module 5 due 04/22
	M	Sec 6.1; Sec 6.2- Gauss Jordan Elimination	
Week 15	W	Sec 6.2 - Gauss Jordan contd; Sec 8.1 - Sequences and Series	
(04/23 - 04/29)	F	Sec 8.2 - Arithmetic Sequence; Sec 8.3 - Geometric Sequence	
	M	Test 6 Review	
Week 16	W	Test 6	

IMPORTANT DATES

LAST DAY TO DROP
Monday, January 29, 2018

LAST DAY TO WITHDRAW
Friday, March 09, 2018

FINAL EXAM

Wednesday, May 09, 2018
11:00 - 1:00pm

The final exam is mandatory and is comprehensive

Please Read:

The instructor reserves the right to make changes to this schedule. If changes are made, you will be

(04/30 - 05/06)

F

LAST DAY OF LECTURE - Final Exam Review

ALEKS Module 6 due 05/06

notified ahead of time.

TENTATIVE SCHEDULE TR 11-12:20 MATH1314 CO-REQ COLLEGE ALGEBRA FALL 2018

Monday	Tuesday	Wednesday	Thursday	Friday
27-Aug Intro., Syllabus, 1.R.1	28-Aug 1.R.2-4	29-Aug 1.R.5-6	30-Aug 1.R.7, Quiz	31-Aug Non-payment drop
3-Sep Labor Day	4-Sep 1.R.8-10	5-Sep 1.R.11-14	6-Sep 1.R.15-17	7-Sep
10-Sep Quiz, 1.R.18-19	11-Sep 1.R.20-22	12-Sep 1.R.23-25 Census Day	13-Sep 1.R.26-27	14-Sep
17-Sep Quiz, Sec. 1.2	18-Sep Sec. 1.3,1.4	19-Sep WS 1.2-1.4, 2.R.6-7	20-Sep Sec. 2.2&2.4, Rev. 1&2	21-Sep
24-Sep Quiz 1.2-1.3, 2.R.8	25-Sep Sec. 2.4, Rev 1&2???	26-Sep Rev. 1&2???	27-Sep Test 1&2	28-Sep
1-Oct 3.R.1, 3.R.4	2-Oct Sec. 3.1	3-Oct Sec. 3.2	4-Oct Sec. 3.3	5-Oct
8-Oct Quiz 3.1-3.3, 3.R.5-6	9-Oct Sec. 3.4,3.5	10-Oct 3.R.8, 4.R.2, Worksheet	11-Oct Sec. 4.1, 4.3, Rev.	12-Oct
15-Oct Quiz, Sec. 4.4	16-Oct Rev. 3 &4 ???	17-Oct Test 3,4	18-Oct Sec. 5.1	19-Oct
22-Oct Quiz, 5.R.2-4	23-Oct 5.R.6&8, Sec. 5.2	24-Oct Sec. 5.3	25-Oct Sec. 5.5, 5.6, Rev.	26-Oct
29-Oct Quiz, 5.R.5, 5.R.7	30-Oct (5.6) Rev. 5 ???	31-Oct Rev. 5???	1-Nov Test 5	2-Nov
5-Nov Exp. Rules, 6.R.3&4	6-Nov 6.1,6.2	7-Nov Worksheet	8-Nov Sec. 6.3	9-Nov
12-Nov Quiz, Sec. 6.4	13-Nov Sec. 6.5, 6.6	14-Nov Worksheet	15-Nov Sec. 6.8, Rev.	16-Nov Last day to Withdraw
19-Nov Rev. 6???	20-Nov Test 6	21-Nov No class after noon	22-Nov	23-Nov
26-Nov 8.R.1	27-Nov Sec. 8.1	28-Nov Sec. 8.2	29-Nov Sec. 8.6	30-Nov
3-Dec Final Exam Review	4-Dec Final Exam Review	5-Dec Final Exam Review	6-Dec Final Exam Review	7-Dec
10-Dec	11-Dec Final Exam 11:00-1:00	12-Dec	13-Dec	14-Dec MC Grades due