

*Module Approach to
MAT 1033 Intermediate Algebra*



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Presenters

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MAT 1033 Intermediate Algebra Dilemma

- Historically the success (A, B, C) rate is 45-55% in Fall and Spring terms
- About 25% of the students score below 70% on Test #1
- About 85% of those that score below a 70% on Test #1 do not pass the course with a C or higher

Mathematics

MAT 0012
Pre-Algebra
with
Study Skills

MAT 0024
Elementary
Algebra

MAT 1033
Intermediate
Algebra
3 credits

MTB 1370
Math for Health
Related Professions
1 credit

MAC 1105
College Algebra
3 credits

MGF 1106
Liberal Arts
Math
3 credits

MGF 1107
Explorations
in Math
3 credits

MAC 1140
Precalculus Algebra
4 credits

MAC 1114
Trigonometry
3 credits

MAC 2233
Calculus for
Business
3 credits

STA 2023
Elementary
Statistics I
3 credits

MAE 2801
Elementary
School
Mathematics
4 credits

Elective Course;
not Gen Ed or
Gordon Rule

MAC 2311
Calculus I
5 credits

MAC 2312
Calculus II
4 credits

MAC 2313
Calculus III
4 credits

College Preparatory
(no college credit)

Elective
College Credit

Gordon Rule
College Credit

Module Mat 1033 Set-Up

Fall 2007

	First 4 weeks				
	Module 1	Module 2	Module 3	Module 4	
	Module 1	Module 2	Module 3	Module 4	
	Module 1	Module 1	Module 2	Module 3	

Module MAT 1033 Planning

- Student Affairs meetings
- Student Contract
- Advisor
- Creation of Common Assessments and Rubrics
- Spring offering of 12 week MGF 1107

Fall 2007 Module MAT 1033 Offerings

- TR 9:30-10:50 am
- 86 students initially enrolled
- 3 sections at the beginning of the term

Fall 2007 results

- 45 students scored below a 65% or did not take Test #1
- 4 students were moved to MAT 0024
- Test #1 avg. went from 50.4% to 73.4%
- 5 students' course avg. fell below 65% after Test #2 and repeated module 2
- Test #2 avg. went from 42.6% to 72.6%

Fall 2007 results cont.

- 6 students repeated module 3 and their test avg. went from 43% to 73%
- 5 students repeated module 4 and their test avg. went from 38.4% to 72.6%
- 17 students that had to repeat a module were successful in the course
- 10 of these successful students enrolled in MGF 1107 in Spring 2008 and passed

Lessons Learned

- Have more frequent assessments
- Offer it on MWF instead of TR
- Lower the caps to 22
- Have an increased cut score after module 1

Fall 2008 Module Offering

- MWF 10-10:50 am
- 65 students initially enrolled in 3 sections
- 25 students scored below a **65%** on Test #1

Fall 2008 results

- 4 students moved to MAT 0024 after Test #1 (3 out of 4 have now successfully passed MAT 1033)
- Test #1 avg. went from 53.8% to 72.7%
- 11 students' course avg. fell below **67%** after Test #2 and repeated module 2
- Test #2 avg. went from 45.1% to 77.9%

Fall 2008 results cont.

- 2 students repeated module 3 and their test avg. went from 55% to 88%
- 2 students repeated module 4 and their test avg. went from 61% to 80.5%
- 1 student repeated module 5 and increased their test #5 score by 51 pts.
- 13 students that had to repeat a module were successful in the course

QUESTIONS?

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