

Developmental Math

DMS vs DMA



DMA

Individual modules

- ▶ Fixed amount of time
 - Four weeks long*
 - Emporium based or
 - Lecture based
- ▶ Multiple drop/add periods
- ▶ Prerequisite checking is not a problem
- ▶ DMAs receive a grade of P (pass) or R (repeat)

DMS

Shell Courses

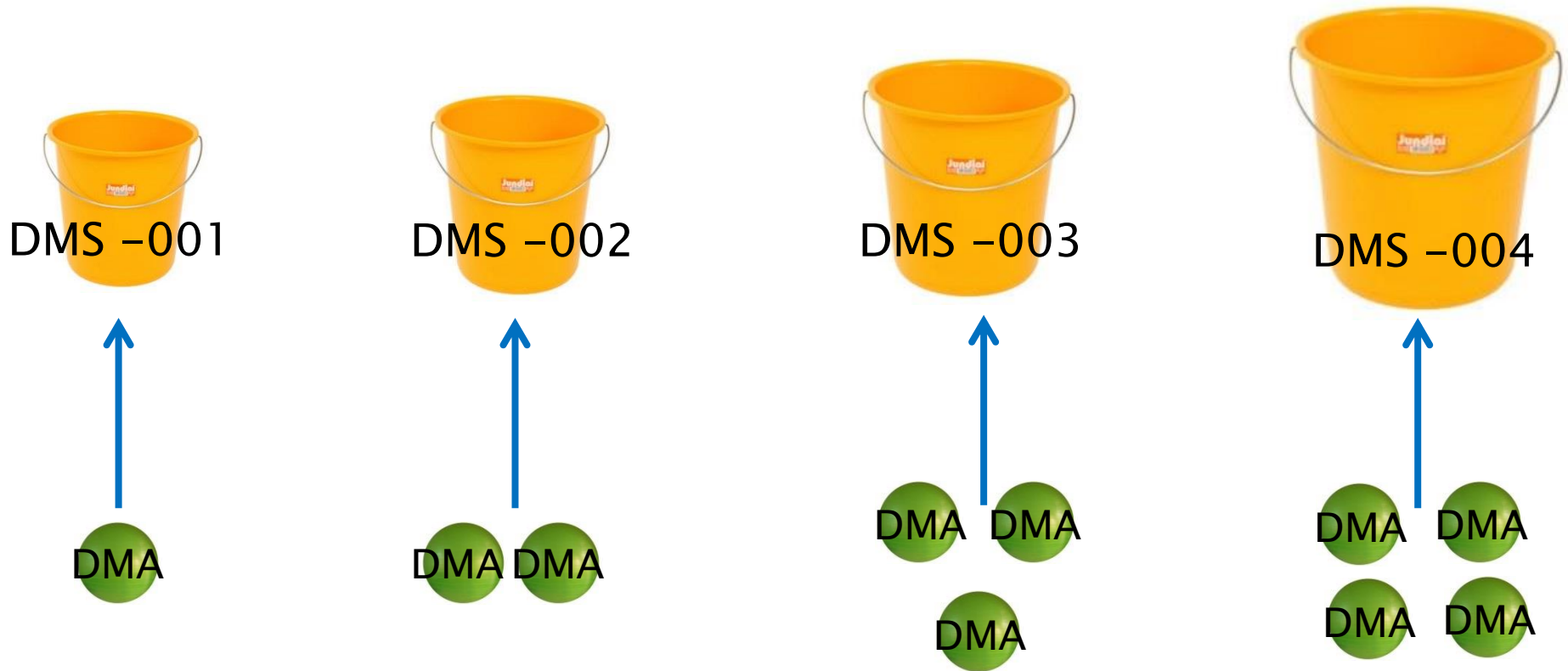
- ▶ Flexibly paced (NOT self paced)
- ▶ Emporium based
- ▶ One drop/add period
- ▶ Prerequisite checking can be cumbersome
- ▶ DMS receive a grade of P/R AND
- ▶ DMAs within the shell receive a status NC, CC, NR, R*

Crosswalk



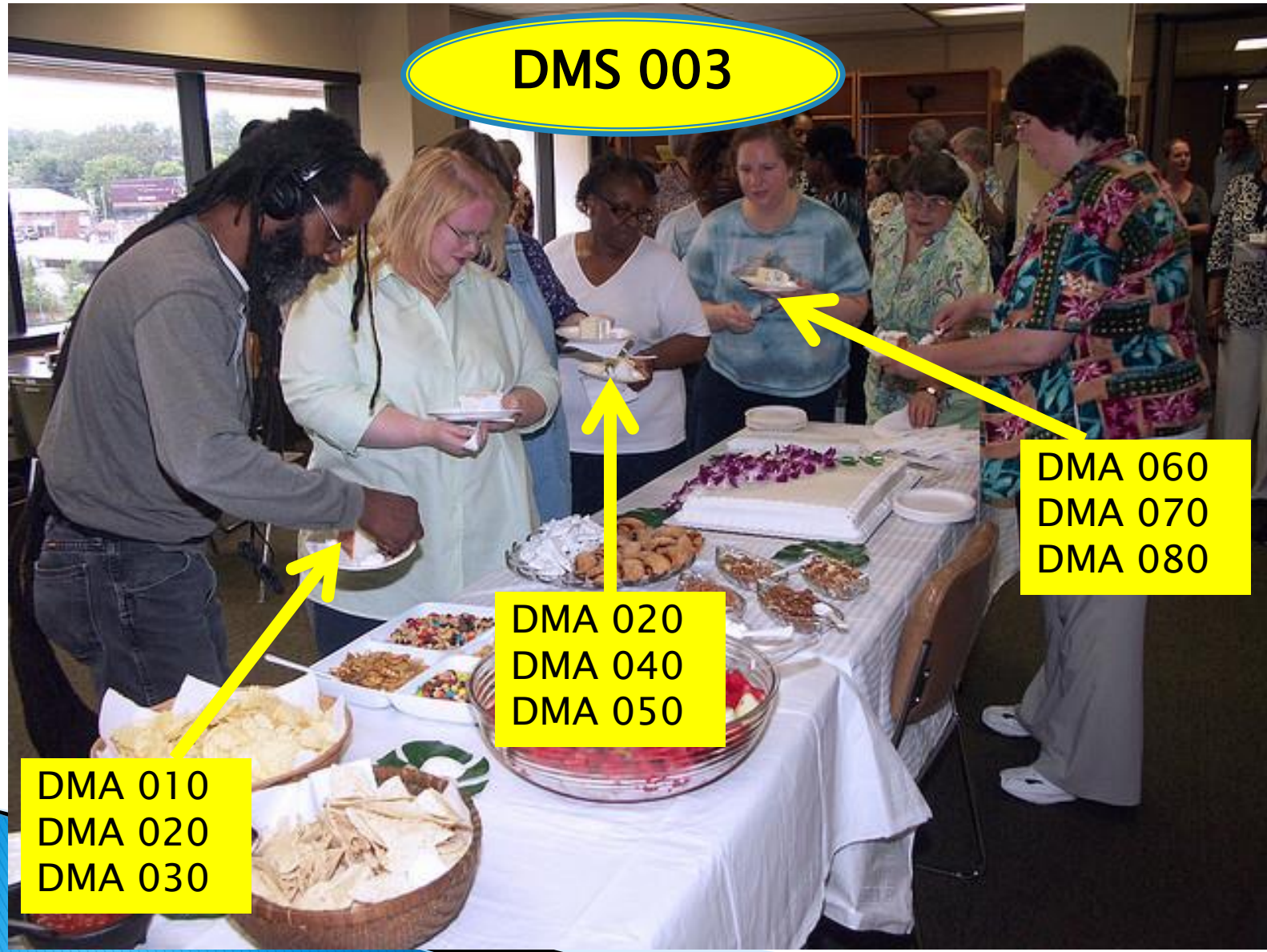
Mat-060	————>	DMA 010-DMA 030
Mat-070	————>	DMA 010-DMA 050
Mat-080	————>	DMA 010-DMA 080

Shell Courses



Each DMA receives a “status”, NOT a grade.
CC, NC, R, NR

Buffet (Shell) Line – 3 credit shell



Potential Shell Scheduling

- 4 credit shell** – 5 hrs. seat time
 - Lecture 3 hrs./lab 2 hrs. (seated)
- 3 credit shell – 3.75 hrs. seat time
 - Lecture 2.25 hrs./lab 1.5 hrs. (seated)
- 2 credit shell – 2.5 hrs. seat time
 - Lecture 1.5 hrs./lab 1 hr. (seated)
- 1 credit shell – 1.25 hrs. seat time
 - Lecture – .75 hr./lab .5 hr. (seated)

DMS Class Instruction

DMS-003/002/001

2:00 pm	003/002/001
Minimesters	003 T/TH 2:00-3:50
	002 T/TH 2:00 - 4:15
	001 T/TH 2:00-3:05

Grading DMS Shell Course

- **“P” (pass)** – the student completed all of the attempted DMA modules
- **“R” (repeat)** – the student did NOT complete all of the required DMA modules.
















Grades are entered for the DMS shell course and a status is entered for each DMA modules.

Credit for DMAs within a Shell

- **“NC”** – **Non-course credit** for each DMA module from the NC DAP diagnostic test with a score 7–12
- **“CC”** – **Course Completion credit** for each DMA module completed within a shell, even if they receive an “R” for that shell course.
- **“R”** – **Repeat** for any DMA module which was started but not successfully completed
- **“NR”** – **Never reached** for any DMA module which the student planned on but never got to it

Course Name		Title	Stat	Credits	Page 4 of 5			
46		DMS-002E	Developmental Math Sh	X			2014SP	
47		ENG-095	Reading & Comp Strate	N	0.00		2014SP	C
48		AER-114	Aviation Management	N	0.00		2014SP	F
49		AER-215	Flight Safety	N	3.00		2014SP	B
50		AER-217	Air Transportation	N	0.00		2014SP	F
51		COM-231	Public Speaking	X			2014SP	
52		ENG-112	Argument-Based Resear	X			2014SP	
53		LES-101	Principles of Managem	X			2014SP	
54		LES-102	Technology and Societ	X			2014SP	
55		LES-103	Introduction to Socio	N	0.00		2014SP	F
56		DMS-003A	Developmental Math Sh	N	0.00		2014SP	R
57		PSY-150	General Psychology	N			2014SU	
58		ENG-111	Expository Writing	N			2014SU	
59		HUM-110	Technology and Societ	X			2014SU	

3 credit shell

Course Name		Title	Stat	Credits	Page 2 of 5		
16		D					
17		DMA-060	Polynomial/Quadratic	NC			CC
18		DMA-070	Rational Express/Equa	NC			CC
19		AER-150	Private Pilot Flt The	N	3.00	2012FA	C
20		AER-111	Aviation Meteorology	N	3.00	2012FA	C
21		AER-110	Air Navigation	N	3.00	2012FA	D
22		MAT-070	Introductory Algebra	N	0.00	2012FA	F
23		AER-113	History of Aviation	N	2.00	2012FA	C
24		AER-213	Avionics	N	2.00	2012FA	C
25		AER-112	Aviation Laws and FAR	N	2.00	2013SP	D
26		AER-160	Instrument Flight The	N	3.00	2013SP	C
27		RED-090	Improved College Read	X		2013SP	
28		AER-114	Aviation Management	N	0.00	2013SP	F
29		PSY-150	General Psychology	W	0.00	2013SP	W
30		AER-119	Aircraft Structures	N	2.00	2013SP	B

STAC - Student Academic Credits

Course Name		Title	Stat	Credits	Page 2 of 2		
16	ENG-085	Reading & Writing Fou	N	0.00		2014SP	B
17	3 credit shell		X			2014SP	
18			N	0.00		2014SP	A
19							
20	DMS-003A	Developmental Math Sh	N	0.00		2014SP	P
21							
22	PHY-110A	Conceptual Physics La	N			2014SU	
23	PHY-110	Conceptual Physics	N			2014SU	
24	PHY-110A	Conceptual Physics La	X			2014SU	
25	COM-110	Introduction to Commu	N			2014FA	
26	BIO-165	Anatomy and Physiolog	N			2014FA	
27	ENG-111	Writing and Inquiry	N			2014FA	
28	PSY-150	General Psychology	N			2014FA	
29							

1		MAT-050	Basic Math Skills	NC	0.00			
2		RED-070	Essential Reading Ski	NC	0.00			
3		RED-080	Intro to College Read	NC	0.00			
4		MAT-050	Basic Math Skills	NC	0.00			
5		ENG-070	Basic Language Skills	NC	0.00			
6		RED-070	Essential Reading Ski	NC	0.00			
7		RED-080	Intro to College Read	NC	0.00			
8		DMA-010	Operations With Integ	NC	1.00			CC
9		DMA-020	Fractions and Decimal	NC	1.00			CC
10		DMA-030	Propor/Ratio/Rate/Per	NC	1.00			CC
11		DMA-040	Express/Lin Equat/Ine	NC	1.00			CC
12		DMA-050	Graphs/Equations of L	NC	1.00			CC

NC DAP Scores

	DMA010**	DMA020	DMA030	DMA040	DMA050	DMA060
Passing Score	7	7	7	7	7	7

**If the student's DMA010 score is 0 or 1, AND no other DMA's are passed, they need to take the TABE, otherwise they would register for DMA010 and the other DMA's needed for their program or course.

- DMA 070 and DMA 080
- DMA 065



DEV MATH ADVISING SCENARIOS

DMA & DMS

Keisha

- Keisha signs up for **DMS 003** and hopes to complete DMA 020, DMA 040, and DMA 050. She completes the first two DMAs but never finishes DMA 050.
- Keisha receives:
 - “R” for **DMS 003**
 - “CC” for DMA 020
 - “CC” for DMA 040
 - “R” for DMA 050
- Next semester Keisha will sign up for **DMS 001** and will complete DMA 050.*

Laura

- Laura takes the NC DAP during Summer 2014 and does not get credit for any of the DMA modules.
 - She would like to start taking her pre-requisite math in Fall 2014 and be ready for MAT 143 by Summer 2015.
 - How would you map out a realistic plan for Laura to accomplish her goal?
- Hint: At GTCC Mat-143 requires DMA 010-050*

Laura

Answer

- Because Laura did not place out of any of the 5 DMA modules required for MAT 143* she would need to successfully complete DMA 010–050. Here is one option for her:
 - Register for **DMS 003** in Fall 2014 and complete at least 3 modules (DMA 010, 020 & 030) **
 - Then register for **DMS 002** in Spring 2015 and complete the remaining modules (DMA 040 and 050).

George

- George, a Criminal Justice advisee, completed MAT 070 two years ago and now plans to take a math elective.
 - He is deciding between MAT 143 and MAT 171.
- For Fall 2014, which Developmental Math Shell and which DMA modules should he choose if his plan is to pursue a Bachelor's degree in Criminal Justice?

George

Answer

- If the school George is transferring to will accept MAT 143 as their required math, then no DMA modules are required. MAT 143 can be taken directly in Fall 2014.
- If George wants to take Mat-171, then he should enroll in **DMS 003**, and take DMA 060, 070, and 080 in Fall 2014.

(Remember that MAT-070 equates to DMA 010, 020, 030, 040, & 050)

Kristi

- Kristi is following the Early Childhood Education plan of study and has successfully completed MAT 060 with a grade of “B”.
- What are her math options for Fall 2014?
- Note: MAT 143 is the terminal math course for the Early Childhood Education curriculum.

Kristi

Answer

- Since Kristi has already passed MAT 060, which implies she has completed DMA 010, DMA 020, and DMA 030, she will only need to take DMA 040 and 050.
- Thus, she should enroll in **DMS 002** and take DMA 040 and 050.

Donnie

- Donnie stopped out of school for two years and has just come back. His program of study requires DMA 010, DMA 020, and DMA 030.
- He has unsuccessfully taken MAT 060 three times.
- How would you advise this student with respect to a **DMS shell course** and DMA modules for Fall 2014?

Donnie

Answer

- Because Donnie has been unsuccessful in previous attempts at MAT 060 and appears to struggle with math, **DMS 003** might not be the best option.
- Here is a possibility:
 - Donnie could sign up for **DMS 002** (for 16 weeks) with the plan to finish DMA-010 and DMA-020 and perhaps DMA-030.
- If Donnie could not complete DMA-030, then the next semester he would take **DMS 001** over 8 weeks.

Allanah

- ▶ Allanah wants to get an Associates Degree in Nursing. The program does not require a curriculum math course.
- ▶ What is the maximum number of DMA modules Allanah will need to take?
 - Hint: To apply to the Associate Degree in Nursing program a student must have completed DMA 010, 020, 030, 040, and 050 (previously MAT 070).

Allanah

Answer

- ▶ If Allanah does not place out of any of the modules on the NC DAP or have previous COMPASS scores, she would need to complete DMA 010, 020, 030, 040, and 050.
- ▶ Allanah would register for **DMS 004** with module content DMA 010, 020, 030, and 040*.

Roxanne

NC DAP scores

DMA 010	1
DMA 020	5
DMA 030	5
DMA 040	5
DMA 050	5
DMA 060	5

What will you tell Roxanne she needs to do?

Roxanne

Answer

- A score of 0 or 1 on DMA 010 without demonstrating mastery on any of the other modules directs Roxanne to the TABE.
- Or, Roxanne could do a testing review and re-test.
- Roxanne is not eligible for any DMAs at this time.

Jackie

NC DAP scores

- Her program requires through DMA 050.

DMA 010	1
DMA 020	7
DMA 030	7
DMA 040	2
DMA 050	4

- Will Jackie need to take the TABE?

Jackie

Answer

- Jackie does not need to take the TABE. Although she scored a 1 on DMA 010 she demonstrated mastery on DMA 030.
- Jackie should sign up for **DMS 004** and complete DMA 010, 020, 040, and 050.

Shell Courses: Recap

DMS 001 – Holds 1 DMA module.

DMS 002 – Holds 2 DMA modules.

DMS 003 – Holds 3 DMA modules.

DMS 004 – Holds 4 DMA modules.

- The **DMS “shell”** is the course and gets the “grade”.

“P” – Pass

“R” – Repeat

- The **DMA “modules”** are the content/pre-reqs and get the “status”.

“NC” – Non-course credit

“CC” – Course completion

“R” – Repeat

“NR” – Never reached

Questions?

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