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Self Paced Math at JCCC

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Self Paced Math at JCCC

Steven J. Wilson

Johnson County Community College

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Overview

- A student's view of self paced math
- An instructor's view of self paced math
- Making it work – organization
- Issues

Self Paced Characteristics

- Independent study
- Enroll any time
- One year to complete course
- Mastery learning

Seven Math Courses

- 111: Fundamentals of Math
- 115: Introduction to Algebra
- 116: Intermediate Algebra
- 118: Geometry
- 120: Business Math
- 171: College Algebra
- 172: Trigonometry

Options

- Traditional textbook
- Computerized learning
- High school class

Traditional Textbook

- Textbook
- Syllabus
- Suggested exercises
- 4-6 proctored tests
- Proctored final exam

Computerized Learning

- CD-ROM (Academic Systems)
- Syllabus
- 14-23 computer quizzes
- 5-6 proctored tests
- Proctored final exam

High School Class

- High school instructor
- Dual credit
- Meet “traditional textbook” requirements
- Tests at high school
- Makeup tests at JCCC

Testing

- Testing Center
- Automatic arrangements
- Results to students
- Retakes
- Distance testing is available

Supplemental Assistance

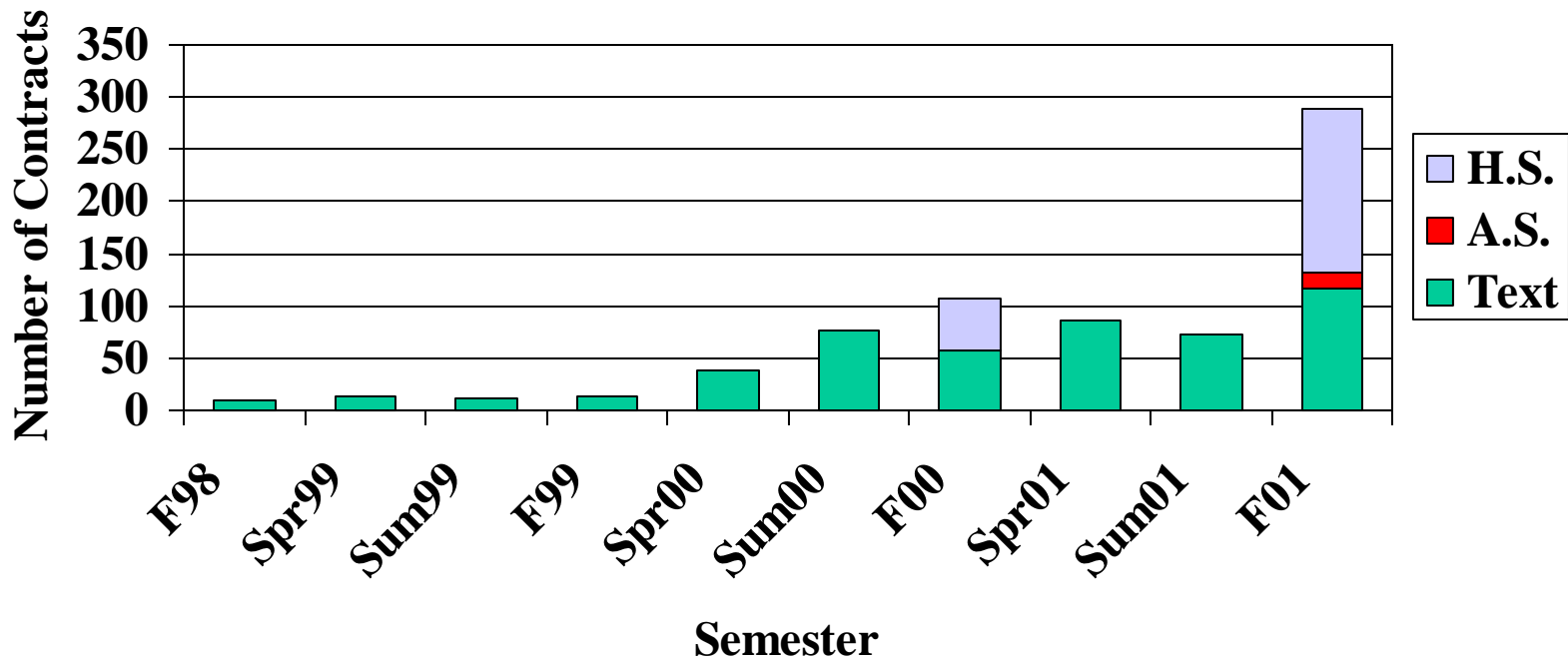
- JCCC Instructor
- Math Resource Center
- Videotapes
- Solutions manuals
- Web sites and software

Need to Enroll

- Application to JCCC
- Prerequisite
- Contract meeting
- Enroll and pay tuition

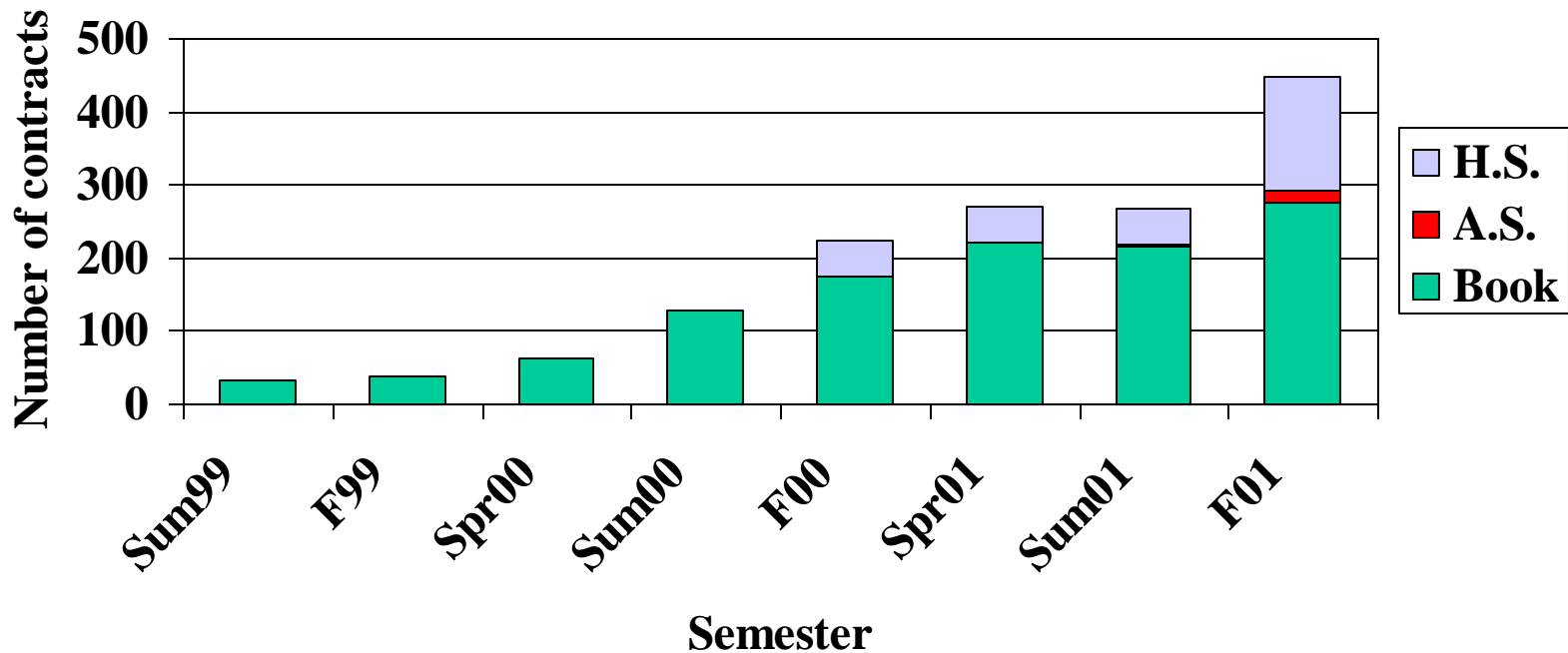
Growth of Self Paced Math

Enrollment



Growth of Self Paced Math

Annualized Enrollment (3 semesters)



Why the Growth?

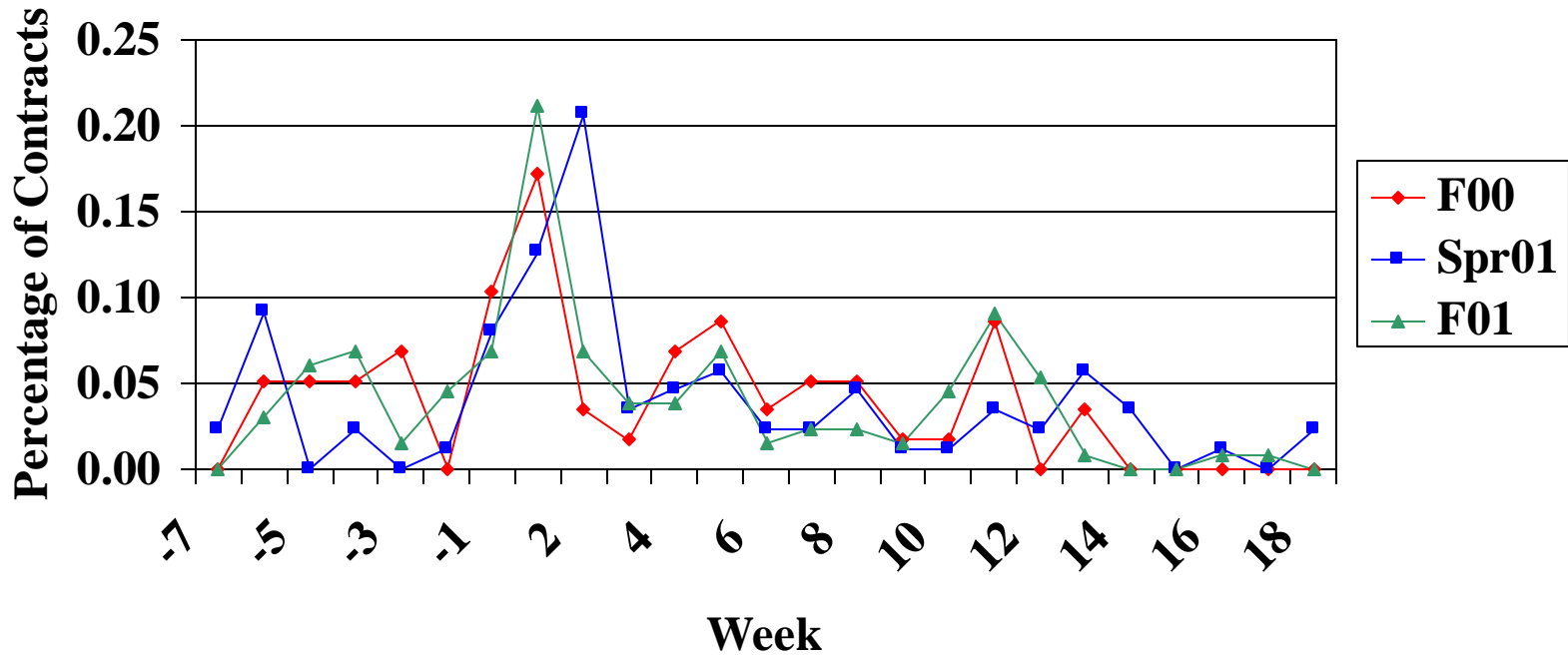
- Awareness of internet courses
- Instructor availability
- Dual credit for high school students

Who Enrolls?

- Can't fit into regular schedule
- Want more time (classroom is too fast)
- Want to work faster
- Only way the course is offered

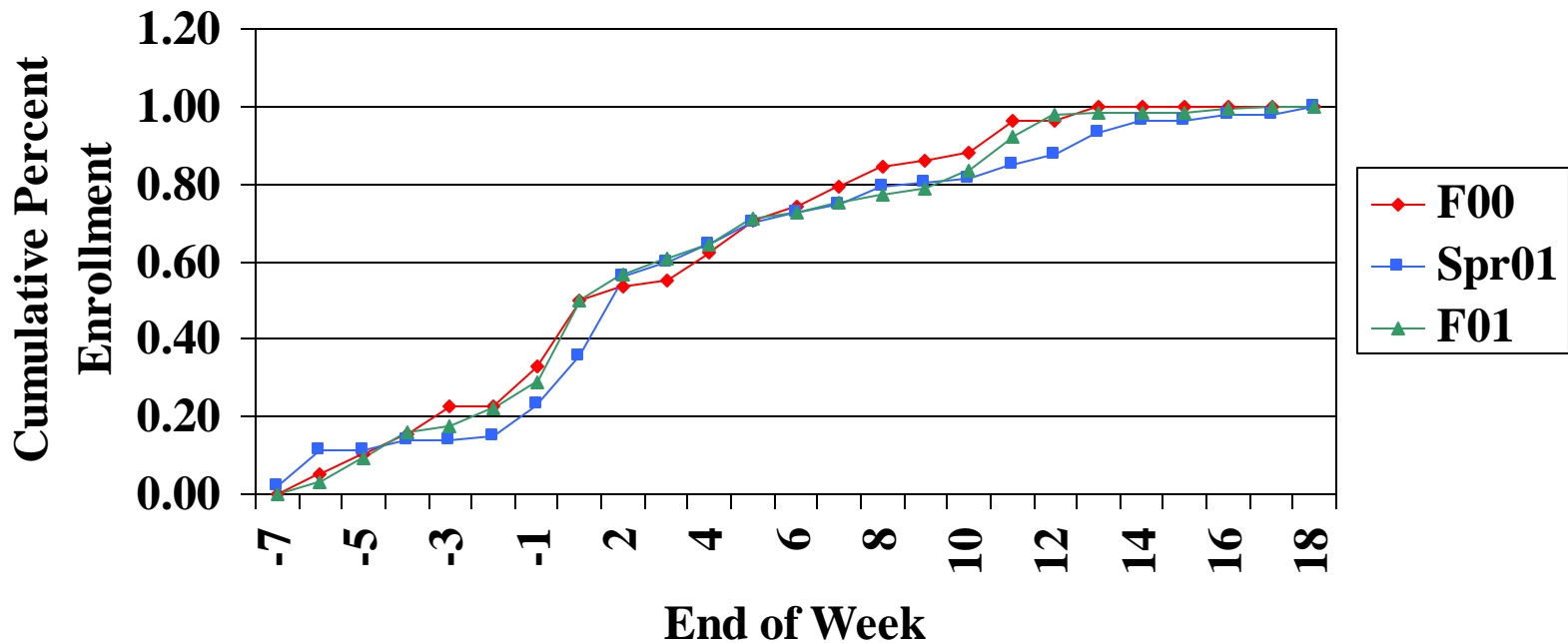
When Do Students Enroll?

Enrollment During Semester



When Do Students Enroll?

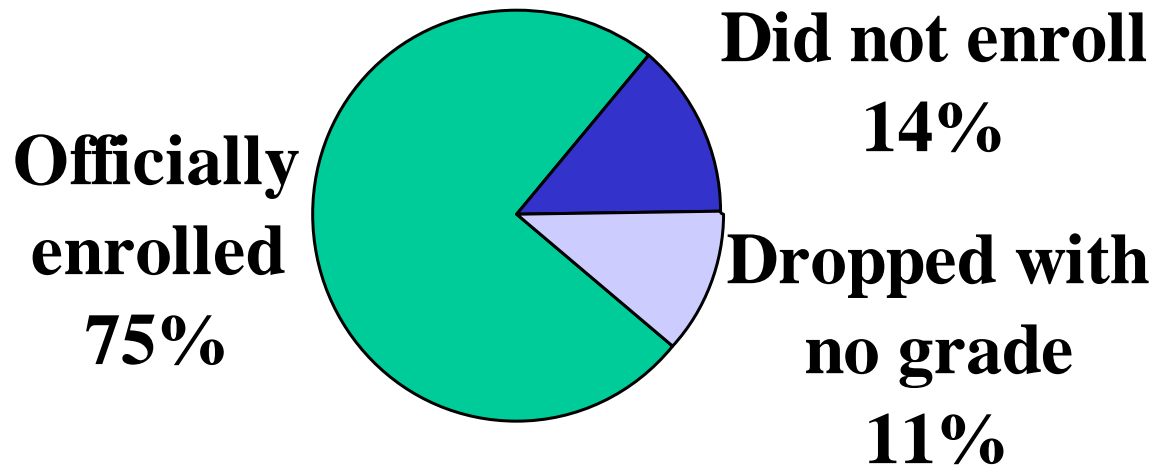
Cumulative Enrollment During Semester



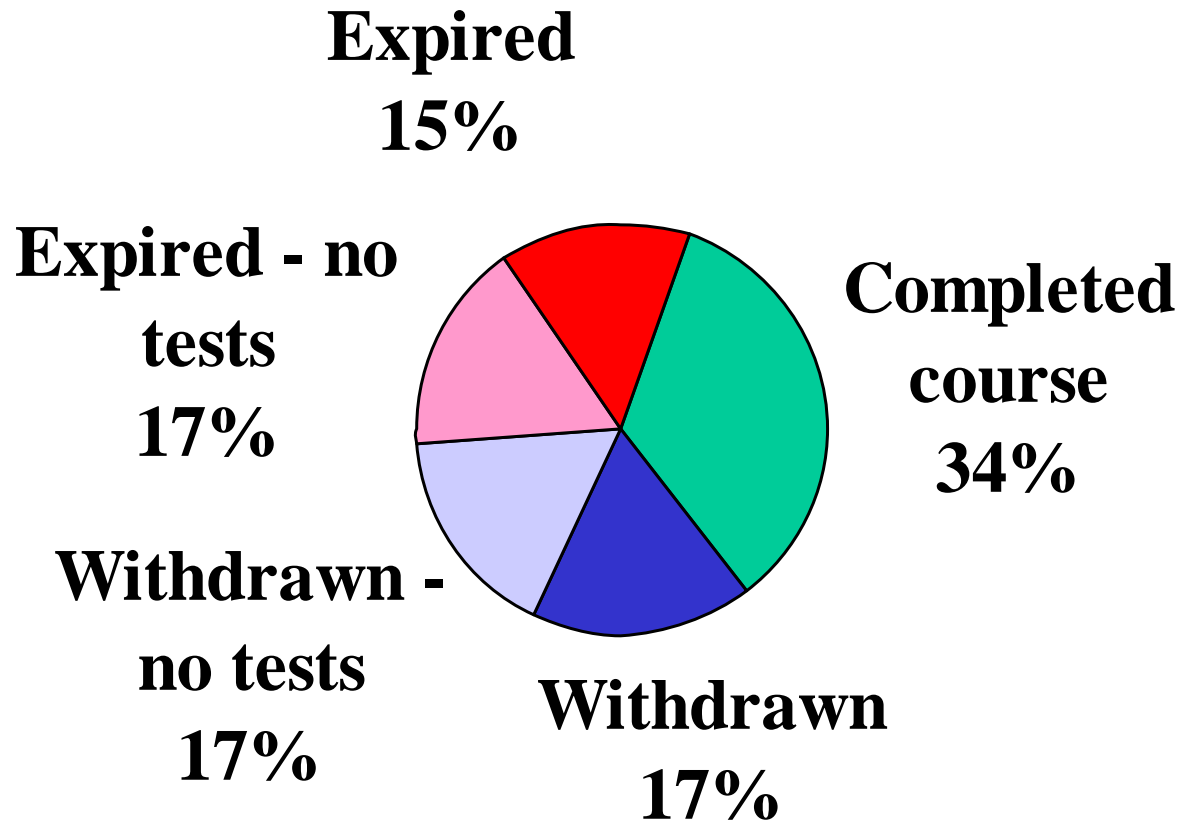
Contract Meeting

- Course syllabus
- Supplemental handouts
- Self paced contract
- Schedule (goals for completion)
- Response mode

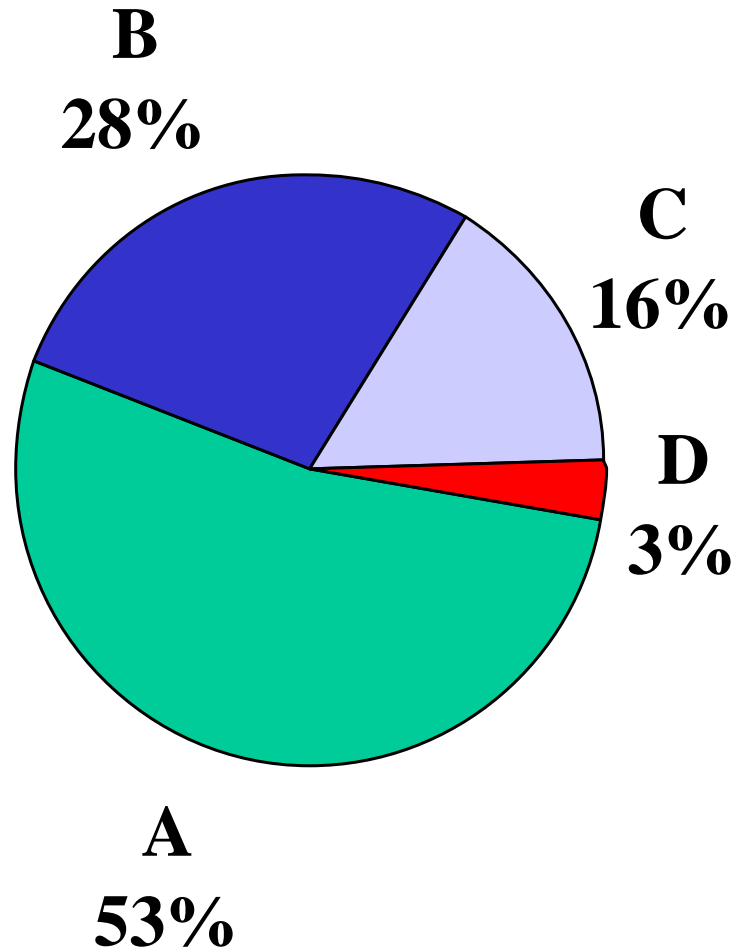
Official Enrollment



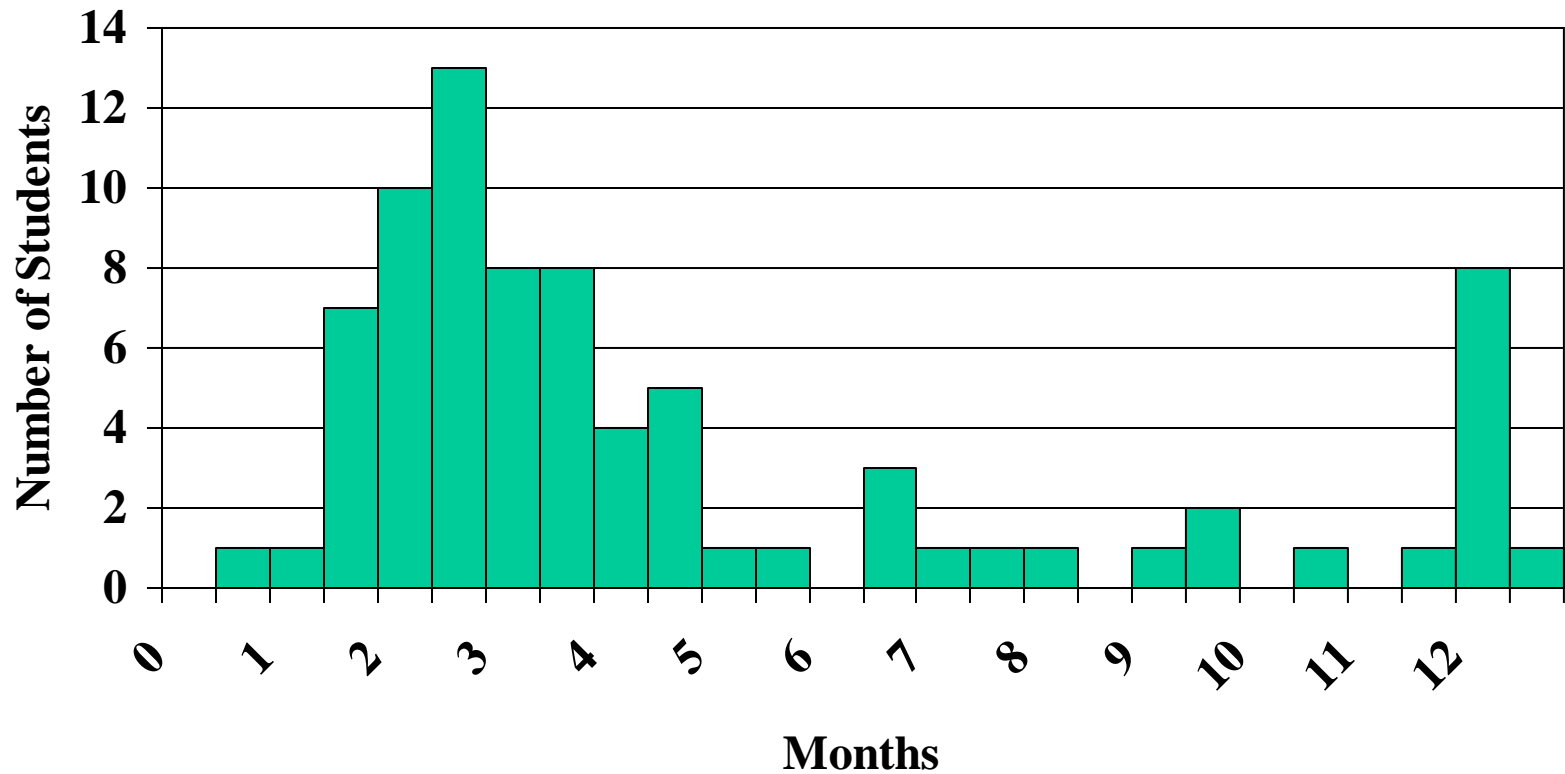
Self Paced Math Success



Grades for Completers



Speed of Completers



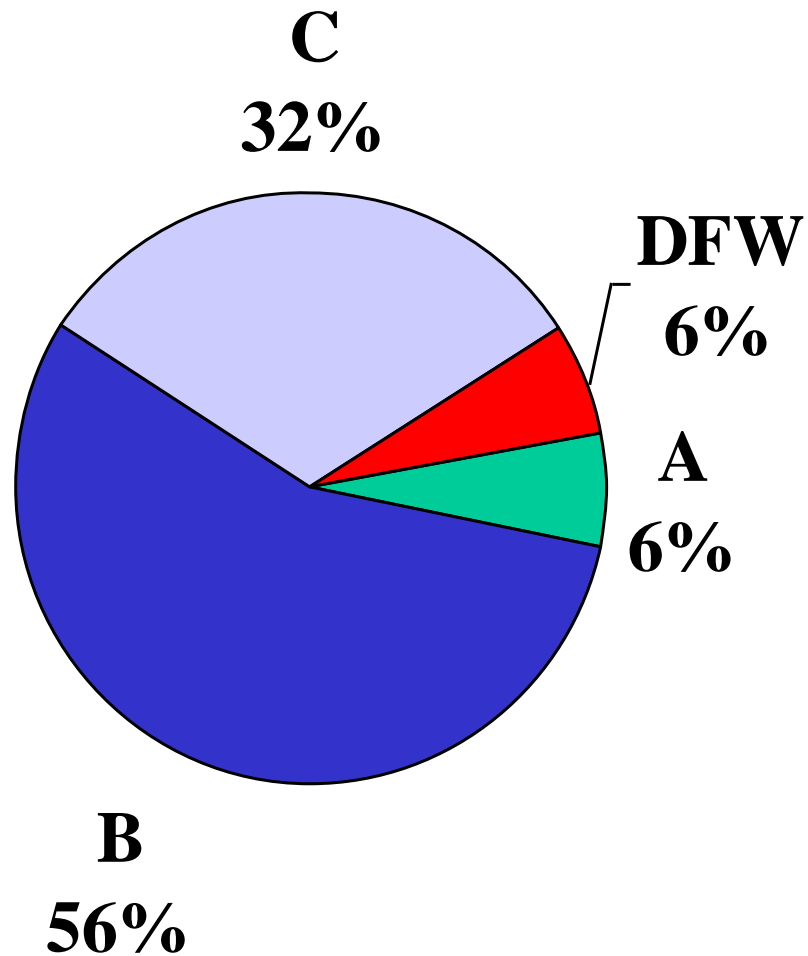
Who Will Succeed?

- Highly motivated
- Previous independent study
- Good math background

High School Class

- Initial visits
- Enrollment
- Testing
- Makeups and retakes

High School Results



Course Creation

- Competency log
- Supplemental handouts
- Tests – multiple forms
- Syllabus
- Online materials

College Schedule

- Sections 950-955
- Listed with regular classes
- Also listed with nontraditional classes

Deadlines

- 5 weeks: Drop with 80% refund
- 10 weeks: Drop with no grade
- 6 months: Pass/fail option deadline
- 11 months: Drop with grade of W
- 12 months: Final deadline

Recordkeeping

- Student folders
- Course rosters
- Semester rosters
- Completed rosters
- Summaries

Student Folder

- Contract paperwork
- Competency log
- Completed tests
- Some correspondence

Course Roster

SELF PACED MATH 115, February 28, 2002										
Student			Test 1		Test 2		Test 3		Test 4	
... Eric	Fall01	10/23	75	10/30	57	11/15				
... Linda	Fall01	8/8	25	12/11						
... Cammie	Spr02	1/14								
... Traci	Sum01	5/17								
... Rebecca	Fall01	10/30	100	11/13						
... Kristin	Sum01	7/23	90	8/7	72	8/16	47	9/4	60	10/9
... Angela	Spr02	1/23	87	1/29						
... Brent	Spr02	1/7								
... Cynthia	Spr02	1/16	99	1/26	100	2/11	97	2/25		
... Crystal	Spr01	4/12	77	5/12	44	8/3				
... Melissa	Fall01	7/30	92	8/6	80	8/27	93	12/11	70	1/15
... Melissa	Spr02	12/6	82	2/23						
... Blanca	Sum01	5/1	74	10/1	87	2/7				

Semester Roster

SELF-PACED MATH ENROLLMENT, FALL 2001						As of 2/28/02	
	Student	Course	Contract	Enroll	Status	Tests	Days
1	... Heather	115as	7/16	7/16	comp-A	7	38
2	... Martha	115	7/18	7/19			
3	... Brandi	118	7/19	7/19	comp-A	9	145
4	... Camille	171	7/23	7/23	comp-B	8	234
5	... Sherry	118	7/23	7/23			
6	... Cynthia	116	7/23	7/25			
7	... Robert	171	7/23		DNE	0	
8	... Allen	171	7/23	7/25	NG	0	
9	... Patricia	116	7/25	7/25			
10	... Sandra	116	7/26		DNE		
11	... Mary	171	7/27	7/27	W	0	
12	... Kala	116	7/30	8/2	comp-B	11	140
13	... Terrie	171	7/30	8/10	comp-C	9	140
14	... Melissa	115	7/30	7/30			

Monthly Routines

- Update all rosters with grades, drops, etc.
- For drops, remove tests and web access
- Prompt inactive students
- Summaries of activity

Monthly Summary

SELF-PACED MATH MONTHLY SUMMARY (during month, or at EOM)						
Month	Meetings	New Contracts	Tests	Active Students	Total Students	
Jul-01	40	24	98	64	130	
Aug-01	83	59	69	54	161	
Sep-01	44	177	62	68	321	
Oct-01	68	19	222	201	306	
Nov-01	73	17	240	218	307	
Dec-01	75	39	232	202	314	
Jan-02	98	68	68	208	355	
Feb-02	56	18	96	231	360	

Cumulative Summary

SELF-PACED MATH CUMULATIVE SUMMARY (by semester)

As of February 28, 2002

Semester	Contracts							DNE	Drop NG	Official		Drop W	Exp. F	Working	Completed	
	111	115	116	118	171	172	Total			(% of contracts)	(% of official)					
Sum 2000	0	20	10	0	32	15	77	16	6	55	71%	14	19	0	22	40%
Fall 2000 Text		21	18		14	5	58	6	6	46	79%	20	13	0	13	28%
H.S.					49		49			49	100%	1	2	0	46	94%
Total	0	21	18	0	63	5	107	6	6	95	89%	21	15	0	59	62%
Spr 2001	0	30	20	0	28	9	87	8	11	68	78%	30	14	7	17	25%
Sum 2001 Text		21	20		23	8	72	16	12	44	61%	5		24	15	34%
A.S.		1					1			1	100%		1			0%
Total	0	22	20	0	23	8	73	16	12	45	62%	5	0	25	15	33%
Fall 2001 Text		30	37	8	35	6	116	13	11	92	79%	4		70	18	20%
A.S.		16					16	1		15	94%			13	2	13%
H.S.					157		157	15	3	139	89%			139		0%
Total	0	46	37	8	192	6	289	29	14	246	85%	4	0	222	20	8%
Spr 2002 Text	18	28	16	6	28	6	102	6	7	89	87%			89		0%
A.S.	4	10	7				21	3	1	17	81%			17		0%
Total	22	38	23	6	28	6	123	9	8	106	86%	0	0	106	0	0%

Processes

- New student
- Graded test
- Reinstatement
- Completion

Making it Work:

Organization!

Role of the Instructor

- Monitor progress
- Individual instruction
- Curriculum development
- Visit high schools

Workload Issues

- 12-month instructor position
- Number of courses?
- Number of students?

Distance Issues

- Number of proctored tests?
- Learning communities?
- Office visits?