

IOWA WESTERN COMMUNITY COLLEGE



**DEVELOPMENTAL EDUCATION
COURSE SUCCESS
REPORT**

2005 - 2006

Prepared by:
Barbara Vredevelde, Director
Planning & Institutional Research
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DEVELOPMENTAL EDUCATION REPORT
Academic Year 2005-2006
Iowa Western Community College

Overview:

Student success in developmental education coursework has been a precursor for continued success at the post-secondary level. The reasons for students needing remedial education in mathematics, reading or writing vary with each student. As an open door institution, Iowa Western Community College provides coursework in developmental education to provide an academic foundation for students as they pursue higher level courses within their chosen programs of study.

Prior studies indicate that the number of students who entrance test below college-level academic readiness at Iowa Western Community College continues to increase.

The academic “success” of students in developmental education at Iowa Western has been formally tracked since the 2000 - 2001 academic year. This year’s report analyzes student enrollments and success during 2005 - 2006 as well as a comparison of enrollments and success during the past six years. It is presented in two components:

- Part I: Academic year 2005-2006 course enrollment and success data
- Part II: Academic years 2001 through 2006 comparative data and trend lines

The information included in this report provides a snapshot of the developmental education program at the college. Included in this review is the data for reading, writing, and math developmental courses. ESL enrollments and course success has been completed as a separate report.

Part I: DEVELOPMENTAL EDUCATION ENROLLMENT AND SUCCESS DATA 2005/06

Introduction:

This component of the report focuses on enrollment and success data for each of the developmental (non-ESL) courses offered by Iowa Western Community College during the 2005 – 2006 academic year. Student success in “next level” discipline as well as non-developmental courses for each of the DEV courses has been analyzed. Course enrollments and success continuing through the fall 2006 term were tracked. The DEV course offerings and new course numbers and titles include:

- DEV083D Writing Foundations (*ENG013 Basic Writing*)
- DEV081D Reading Foundations (*No equivalent*)
- DEV087D Introduction to College Reading (*RDG039 College Preparatory Reading II*)
- DEV052D Math Foundations (*MAT041 Basic Math*)
- DEV054D Pre-Algebra Math (*MAT052 Pre-Algebra*)
- DEV088D Introductory Algebra (*MAT062 Elementary Algebra*)

This report and analysis reviews:

- Total enrollments (duplicated if students repeated a developmental education course).
- Success in each developmental course as defined by the letter grade awarded students at the end of the term. For purposes of this report, “course success” is defined as an earned grade of an A, B or C.
- Enrollment success in higher level courses within a specific discipline; i.e.,
 - DEV083D Writing Foundations → ENG100A (ENG101) or ENG101A (ENG105)
 - DEV052D Math Foundations → DEV054D Pre-Algebra Math (MAT052) → DEV088D (MAT062) Introductory Algebra → MAT111T (MAT743) and/or MAT112T (MAT750) and/or MAT125A (MAT711) and/or MAT150A (MAT101) and/or MAT154A (MAT120) and/or MAT145A (MAT 750) and/or MAT236A (MAT156).
- Enrollment success in all other non-DEV courses in which the student was enrolled from fall 05 through fall 06.
- Course persistence success rates are based upon all students who were enrolled through the end of a term (did not withdraw).

Many variables impact student success in coursework regardless of the academic level study skills, academic preparation or discipline. The focus of this report is a comparative analysis of course enrollments vs. course success irrespective of these variables. A review of data from each of the developmental course success profiles supports the following conclusions:

- ✓ *Students earning an A, B, or C in developmental courses complete higher level courses within the discipline as well as all courses with a greater degree of academic success than students who earn a D, F, W or I in a developmental course.*
- ✓ *Students who are successful in developmental courses complete a greater number of other college level courses compared to students who perform poorly in developmental courses. (Grade prerequisites for next level courses as well as the relationship between the grade point average (GPA) and financial aid may be factors in student retention beyond the developmental course level.)*
- ✓ *A large number of students who were counted as not successful (D, F, I, W) (see table 1.) in DEV development courses withdrew (w) from the respective DEV course.*

The following notes the grade distribution for each developmental course.

Table 1. Grade Distribution Analysis. Enrollments are based upon 10-day count

Course	Grade A		Grade B		Grade C		Grade D		Grade F		Withdrew		Total
	#	%	#	%	#	%	#	%	#	%	#	%	
DEV 052D Math Foundations (MAT041 Basic Math)													
A-W	26	10.0%	48	18.5%	58	22.3%	22	8.5%	69	26.5%	37	14.2%	260
A-F	26	11.7%	48	21.5%	58	26.0%	22	9.9%	69	30.9%	-	-	223
DEV054DPre Algebra Math (MAT052 Pre Algebra)													
A-W	32	13.7%	63	26.9%	45	19.2%	19	8.1%	48	20.6%	27	11.5%	234
A-F	32	15.5%	63	30.4%	45	21.7%	19	9.2%	48	23.2%	-	-	207
DEV088D Intro to Algebra (MAT062 Elementary Algebra)													
A-W	105	19.7%	108	20.3%	104	19.6%	46	8.7%	98	18.4%	71	13.3%	532
A-F	105	22.8%	108	23.4%	104	22.6%	46	10.0%	98	21.2%	-	-	461
DEV087D Intro to College Reading (REG039 College Preparatory Reading II)													
A-W	1	2.1%	5	10.4%	12	25.0%	10	20.8%	13	27.1%	7	14.6%	48
A-F	1	2.4%	5	12.2%	12	29.3%	10	24.4%	13	31.7%	-	-	41
DEV083D Writing Foundations (ENG013 Basic Writing)													
A-W	7	6.0%	20	17.2%	23	19.8%	16	13.8%	32	27.6%	18	15.5%	116
A-F	7	7.1%	20	20.4%	23	23.5%	16	16.3%	32	32.7%	-	-	98
TOTAL A-W													
	171	14.4%	244	20.5%	242	20.3%	113	9.5%	260	21.8%	160	13.4%	1190
TOTAL A-F													
	171	16.6%	244	23.7%	242	23.5%	113	11.0%	260	25.2%	-	-	1030

DEVELOPMENTAL COURSE ENROLLMENT DATA 2005/06 ENROLLMENTS

I. Developmental Writing - Writing Foundations DEV083D (ENG103 Basic Writing – Fall 2006)

Enrollment data reflects initial DEV083D enrollment during 2005-06 academic year. In addition, some students may have repeated DEV083D (ENG013) in fall 2006. Enrollment totals include "repeats".

a. Course Enrollment Data

Number Enrolled	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
116	50	43.1%	66	56.9%
Number Persisting	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
98	50	51.0%	48	49.0%

b. Number who failed repeated and earned a C or higher: 0

c. Number who failed, repeated and earned a D, F, W or I: 9

d. Enrollment success in higher level ENG Courses through Fall 2006

DEV 083* A, B, C Grade		ENG100A		Percentage Successful	Percentage Unsuccessful
Unduplicated Head Count	Enrollment	A,B,C	D,F,W,I		
20	22	15	7	68.2%	31.8%
		ENG101A/105			
22	24	18	6	75.0%	25.0%

DEV 083* D,F,W,I Grade		ENG100A		Percentage Successful	Percentage Unsuccessful
Unduplicated Head Count	Enrollment	A,B,C	D,F,W,I		
7	9	3	6	33.3%	66.7%
		ENG101A/105			
3	3	1	2	33.3%	66.7%
		ENG102A/106			
3	3	2	1	66.7%	33.3%

Total Enrollment*		ENG100A		Percentage Successful	Percentage Unsuccessful
Unduplicated Head Count	Enrollment	A,B,C	D,F,W,I		
27	31	18	13	58.1%	41.9%
		ENG101A/105			
25	27	19	8	70.4%	29.6%
		ENG102A/106			
3	3	2	1	66.7%	33.3%

*Unduplicated head count (a student may have enrolled in more than one or repeated ENG course).

e. Enrollment success in Arts & Science courses through fall 2006 (excluding DEV courses).

Number of Students DEV 083 A,B,C Grades	Number of A & S Course Enrollments	Number of A & S Course Enrollments	Number of A & S Course Enrollments	Percentage Course Successful	Percentage Course Unsuccessful
	Total	A,B,C Grades	D,F,W, I Grades		
48	442	308	134	69.7%	30.3%

Average course enrollment per student: 9.2

Number of Students DEV 083 D,F,W,I Grades	A & S Course Enrollments	A & S Course Enrollments	A & S Course Enrollments	Percentage Course Successful	Percentage Course Unsuccessful
	Total	A,B,C Grades	D,F,W, I Grades		
52	270	80	190	29.6%	70.4%

Average course enrollment per student: 5.2

Total Number of DEV 083 students in A & S Courses	Total A & S Course Enrollments	Total A & S Course Enrollments A,B,C Grades	Total A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
100	712	388	324	54.5%	45.5

Enrollment data based upon 10 day count

II. Developmental Reading

A. Reading Foundations DEV081D

a. Course Enrollment Data

Number Enrolled	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
0	0	0	0	0

- b. Number who repeated and earned a C or higher: 0
c. Number who repeated and earned a D, F, W or I: 0
d. Enrollment success in courses through fall 2006: 0

Number of Students* DEV 081D A,B,C Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
0	0	0	0	0	00

Number of Students DEV 081D D,F,W,I Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
0	0	0	0	0	0

*Unduplicated Headcount

Total Number of Students DEV 081D	Total Number of A & S Course Enrollments	Number of A & S Course Enrollments A,B,C Grades	Number of A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
0	0	0	0	0	0

B. Intro to College Reading DEV087D (RDG039 College Preparatory Reading II – Fall 2006)

Enrollment data reflects initial DEV087D enrollment during the 2005-06 academic year. In addition, some students may have repeated DEV087D (RDG039) in fall 2006. Enrollment totals include "repeats".

a. Course Enrollment Data

All Enrollments	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
46	16	34.8%	30	65.2%
Course Persistence **	A, B, C Grades	Percentage	D, F, I Grades	Percentage
39	16	41.0%	23	59.0%

- b. Number who failed repeated and earned a C or higher: 0
c. Number who failed, repeated and earned a D, F, W or I: 2
d. Enrollment success in courses through fall 2006 (excluding DEV courses).

**Course Persistence includes A, B, C, D, F, & I Grades only.

Number of Students* DEV 087D A,B,C Grades	Number of A & S Course Enrollments Total	Number of A & S Course Enrollments A,B,C Grades	Number of A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
40	117	78	39	66.7%	33.3%

*Unduplicated headcount

Number of Students* DEV 087D D,F,W,I Grades	Number A & S Course Enrollments Total	Number of A & S Course Enrollments A,B,C Grades	Number of A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
25	122	54	68	44.3%	55.7%

*Unduplicated headcount

Total Number of Students*	Total Number A & S Course Enrollments	Number of A & S Course Enrollments A,B,C Grades	Number of A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
40	239	132	107	55.2%	44.8%

*Unduplicated headcount

III. Developmental Math - Math Foundations DEV052D (MAT041 Basic Math – Fall 2006)

Enrollment data reflects initial DEV052D enrollment during the 2005-06 academic year. In addition, some students may have repeated DEV052D (MAT041) in fall 2006. Enrollment totals include "repeats".

a. Course Enrollment Data

All Enrollments	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
260	132	50.8%	128	49.2%
Course Persistence	A, B, C Grades	Percentage	D, F, I Grades	Percentage
223	132	59.2%	91	40.8%

- b. Number who repeated and earned a C or higher: 9
c. Number who repeated and earned a D, F, W or I: 25

d. Enrollment success in succeeding developmental and higher level math courses through FA06.

DEV052D* A,B,C,	DEV054D (MAT052)		DEV088D (MAT062)		MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT236A (MAT156)	
	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI
92	55	28	15	35	2	0	0	0	1	5	4	7	0	0	0	0

*Unduplicated headcount; students may have multiple enrollments in other DEV/MAT courses

Percentage Successful (A, B, C): 50.7 %
Percentage Unsuccessful (D, F, W, I): 49.3%

DEV052D* D,F,W,I	DEV054D (MAT052)		DEV088D (MAT062)		MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT236A (MAT156)	
	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI
21	5	16	3	4	0	2	0	0	1	1	1	0	1	0	0	0

*Unduplicated headcount

Percentage Successful (A, B, C): 32.4 %
Percentage Unsuccessful (D, F, W, I): 67.6 %

TOTAL ENROLLMENTS

DEV052D*	DEV054D (MAT052)		DEV088D (MAT062)		MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT236A (MAT156)	
	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI
113	60	44	18	39	2	2	0	0	2	6	5	7	1	0	0	0

*Unduplicated headcount

Percentage Successful (A, B, C): 47.3 %

Percentage Unsuccessful (D, F, W, I): 52.7 %

Persistence Percentage Successful (A,B,C): 57.1 %

Persistence Percentage Unsuccessful (D,F,I) 42.9 % (No W's)

e. Enrollment success in Arts and Science courses through FA06. (excluding DEV courses)

Number of Students* DEV 052D A,B,C Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
118	591	376	215	63.6%	36.4%
Course Persistence Success** DEV 052D A,B,C Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
	491	376	115	76.6%	23.4%
Number of Students* DEV 052D D,F,W,I Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
86	388	135	253	34.8%	65.2%
Course Persistence Success DEV 052D D,F,I Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
	303	135	168	44.6%	55.4%

Number of Students* DEV 052D	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
204	979	511	468	52.2%	47.8%
Course Persistence Success DEV052D	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F, I Grades	Percentage Course Successful	Percentage Course Unsuccessful
	794	511	283	64.4%	35.6%

*Unduplicated headcount

** Persistence is based upon A,B,C,D,F & I grades

B. Pre-Algebra Math DEV054D (MAT052 Pre-Algebra Math Fall 2006)

Enrollment data reflects initial DEV054D enrollment during 2005-06 academic year. Some students may have repeated DEV054D (MAT052) in fall 2006. Enrollment totals include "repeats".

a. Course Enrollment Data

Number Enrolled	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
234	140	59.8%	94	40.2%
Course Persistence	A, B, C Grades	Percentage	D, F, I Grades	Percentage
207	140	67.6%	67	33.4%

b. Number of re-enrollments who earned a C or higher: **10**

c. Number of re-enrollments who earned a D, F, W or I: **14**

d. Enrollment success in succeeding developmental and higher level math courses through FA06.

DEV054D* A,B,C,	DEV088D (MAT062)		MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT156A (MAT130)		MAT236A (MAT156)	
	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI
111	67	51	1	0	1	0	3	1	21	23	6	0	1	1	7	8

Percentage Successful (A, B, C): **56.0 %**

Percentage Unsuccessful (D, F, W, I): **44.0 %**

DEV054D* D,F,W,I	DEV088D (MAT062)		MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT156A (MAT130)		MAT236A (MAT156)	
	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI
12	4	9	0	0	0	0	0	1	0	4	0	0	0	0	0	0

Percentage Successful (A, B, C): **22.2 %**

Percentage Unsuccessful (D, F, W, I): **77.8 %**

TOTAL ENROLLMENTS

DEV054D*	DEV088D (MAT062)		MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT156A (MAT130)		MAT236A (MAT156)	
	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI	ABC	DFWI
123	71	60	1	0	1	0	3	2	21	27	6	0	1	1	7	8

*Unduplicated head count in DEV054D

Percentage Successful (A, B, C): **53.1 %**

Percentage Unsuccessful (D, F, W, I): **46.9 %**

e. Enrollment success in all courses through FA06 (excluding DEV courses).

Number of Students* DEV054D A,B,C, Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
140	1275	881	394	69.1%	30.9%
Number of Students* DEV054D D,F,W,I, Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
65	382	112	270	29.3%	70.7%

Number of Students* DEV054D	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
205	1657	993	664	59.9%	40.1%
Course Persistence Success DEV054D	A & S Course Enrollments Total (A,B,C,D, F, I)	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
	1368	993	375	72.6%	27.4%

* Unduplicated headcount

C. Introductory Algebra DEV088D (MAT062 Elementary Algebra Fall 2006)

Enrollment data reflects initial DEV088D (MAT062) enrollment during 2005-06 academic year. In addition, some students may have repeated DEV088D (MAT062) in fall 2006. Enrollment totals include "repeats".

a. Course Enrollment Data

Enrollments	A, B, C Grades	Percentage	D, F, W, I Grades	Percentage
532	317	59.6%	215	40.4%
Course Persistence Success	A, B, C Grades	Percentage	D, F, I Grades	Percentage
	317	68.8%	144	31.2%

b. Number who repeated and earned a C or higher: 22

c. Number who repeated and earned a D, F, W or I: 35

d. Enrollment in next level Math courses through FA06:

DEV088D A,B,C,	MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT113T (MAT751)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT156A (MAT130)		MAT171A (MAT211)		MAT236A (MAT156)	
	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW
258	1	5	1	2	0	0	7	3	150	89	61	31	5	0	0	0	66	31

*Unduplicated Count – Students may have multiple enrollments in MAT courses.

Percentage Successful (ABC): 64.4 %

Percentage Unsuccessful (DFWI): 35.6 %

DEV088D D,F, W, I	MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT113T (MAT751)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT156A (MAT130)		MAT171A (MAT211)		MAT236A (MAT156)	
	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW
15	0	1	0	0	0	0	0	2	4	6	2	0	0	0	0	0	1	2

*Unduplicated Count – Students may have multiple enrollments in MAT courses.

Percentage Successful (ABC): 38.9 %

Percentage Unsuccessful (DFWI): 61.1 %

TOTAL ENROLLMENTS

DEV088D	MAT100T/111T (MAT743)		MAT112T (MAT750)		MAT113T (MAT751)		MAT125A (MAT711)		MAT150A (MAT101)		MAT154A (MAT120)		MAT156A (MAT130)		MAT171A (MAT211)		MAT236A (MAT156)	
	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW	ABC	DFW
273	1	6	1	2	0	0	7	5	154	95	63	31	5	0	0	0	67	33

*Unduplicated Count – Students may have multiple enrollments in MAT courses.

Percentage Successful (ABC): 63.4 %

Percentage Unsuccessful (DFWI): 36.6 %

Course Persistence Success **	A, B, C Grades	Percentage	D, F, I Grades	Percentage
	268	76.8%	81	23.2%

**Course Persistence is based upon A,B,C,D,F, & I grades.

E, Enrollment success in courses through FA06 (excluding DEV courses).

Number of Students* DEV088D A,B,C, Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
309	3,235	2,391	844	73.9%	26.1%

Number of Students* DEV088D D,F,I, Grades	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
152	1,147	505	642	44.0%	56.0%

Number of Students* DEV088D	A & S Course Enrollments Total	A & S Course Enrollments A,B,C Grades	A & S Course Enrollments D,F,W,I Grades	Percentage Course Successful	Percentage Course Unsuccessful
461	4,382	2,896	1,486	66.1%	33.9%

* Unduplicated headcount

Course Persistence Success**	A, B, C Grades	Percentage	D, F, I Grades	Percentage
	2,896	75.1%	958	24.9%

**Course Persistence is based upon A,B,C,D,F, & I grades

Part II: ANALYSIS OF 2000-01 through 2005-06 DATA

Introduction:

Part II of the developmental education success report presents a comparison of developmental education data tabulated during the past six academic years. The analysis profiles course enrollments and success rates for those students enrolled in developmental education (non-ESL) courses from 2000 – 2001 through the 2005 – 2006 academic years. Some DEV repeat enrollments from fall 2006 are also included in the total. Success in higher level discipline as well as arts and sciences courses reflect enrollments through the fall of 2006.

Summary data and representative graphs include comparisons for each of the developmental courses and indicate:

- Enrollments by headcount
- Course success as defined by grade awarded (A, B, C vs. D, F, I, W) based upon all enrollments. Course persistence (A, B, C, D, F, I) has not been calculated in prior years' reports.
- Enrollments in higher level courses within the discipline, specifically math and English
- Course success in higher level courses within the discipline
- Enrollments in other non-DEV courses
- % Course success (A, B, C vs. D, F, I, W) in other non-DEV courses

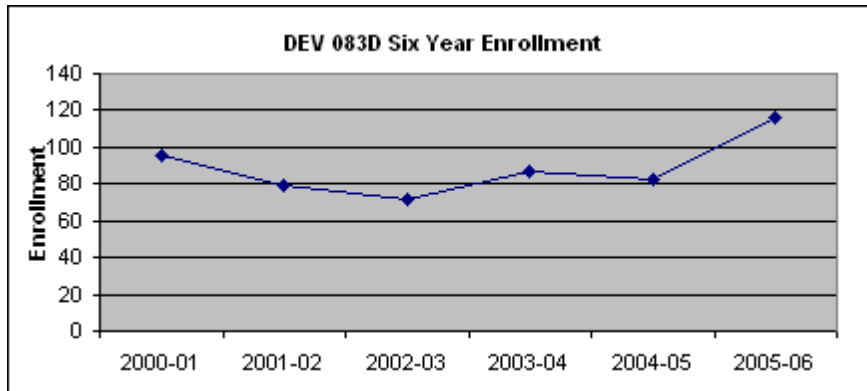
Trends in enrollments and course success:

The following are general observations concerning enrollments and success data studied during the past six academic years. Each of the developmental education courses is profiled.

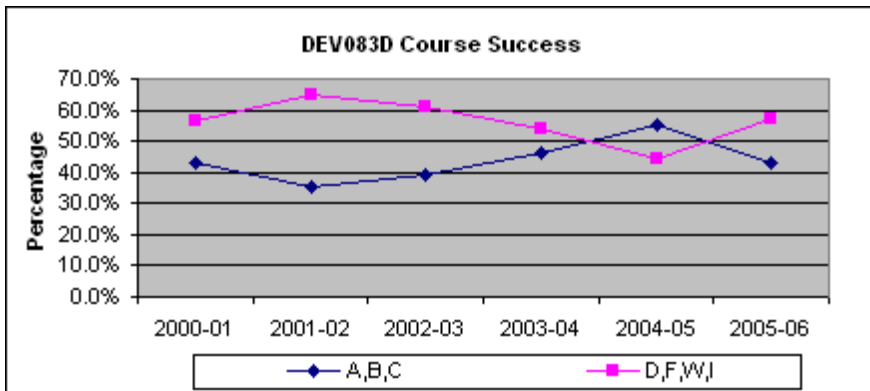
DEV083D Writing Foundations

- Course enrollments declined 12.6% from AY 00-01 through AY 04-05, but increased in 05-06. Enrollments were at their highest level in six years.
- Course success was at its highest level in 2004-05 with 55.4% of the students earning A, B, or C grades, but declined significantly in 2005-06.
- Course success rates in higher level English courses were at their highest level (63.9%) in 2005-06.

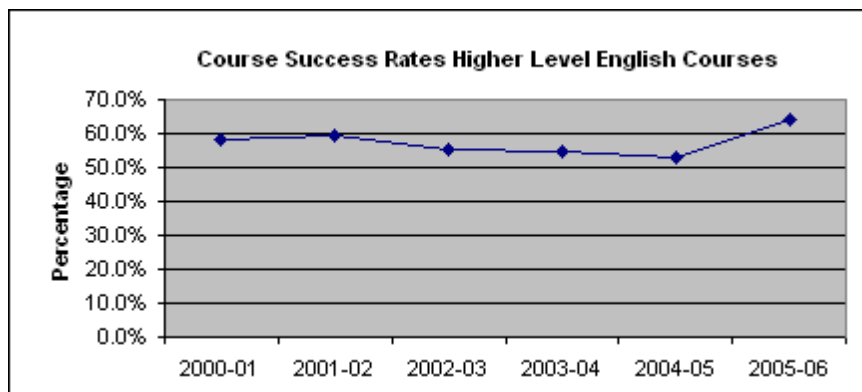
Summary data depicting Writing Foundations enrollments and course success are presented.



Academic Year	Headcount
2000-01	95
2001-02	79
2002-03	72
2003-04	87
2004-05	83
2005-06	116



Academic Year	A,B,C	D,F,W,I
2000-01	43.2%	56.8%
2001-02	35.4%	64.6%
2002-03	38.9%	61.1%
2003-04	46.0%	54.0%
2004-05	55.4%	44.6%
2005-06	43.1%	56.9%



Academic Year	A,B,C
2000-01	58.3%
2001-02	59.5%
2002-03	55.1%
2003-04	54.5%
2004-05	52.8%
2005-06	63.9%

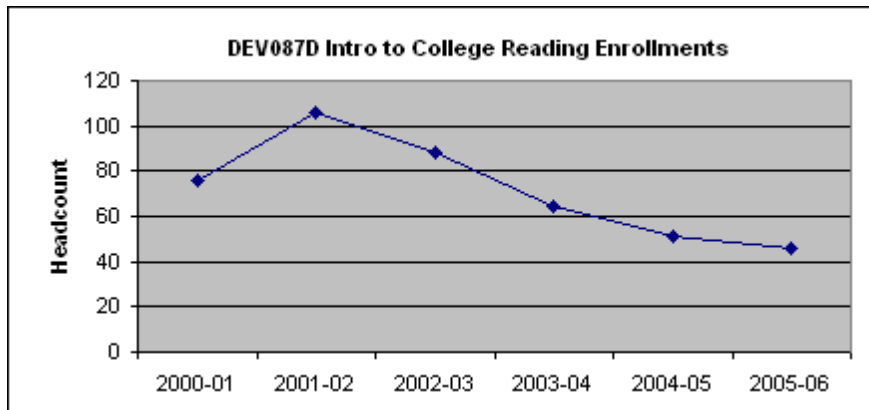
DEV081D Reading Foundations

- No enrollments during AY2003, 2004, 2005 or 2006.

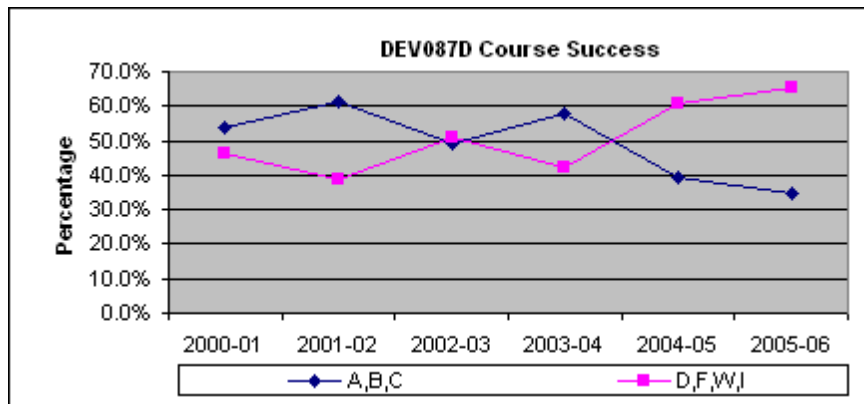
DEV087D Introduction to College Reading

- Course enrollments declined 39.5% between AY2001-02 and AY2005-06 and reflect a six year low point in enrollments.
- Student success (A,B,C) declined to 34.8%, the lowest percentage rate in six years.
- Since fewer students were enrolled in Introduction to College Reading during the 05-06 academic year, this translated into fewer total enrollments in other courses as well.
- Course success (A,B,C) in other courses improved in 2005-06.

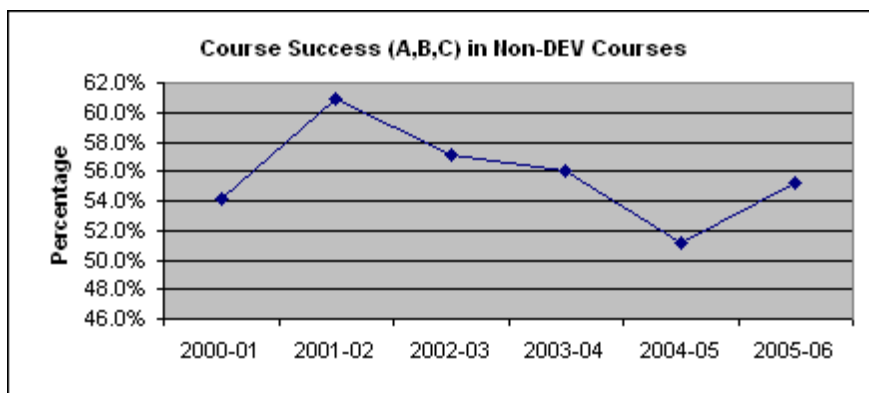
Summary data in enrollment patterns and course success for Introduction to College Reading are presented in graphical format.



Academic Year	Headcount
2000-01	76
2001-02	106
2002-03	88
2003-04	64
2004-05	51
2005-06	46



Academic Year	A,B,C	D,F,W,I
2000-01	53.9%	46.1%
2001-02	61.3%	38.7%
2002-03	48.9%	51.1%
2003-04	57.8%	42.2%
2004-05	39.2%	60.8%
2005-06	34.8%	65.2%

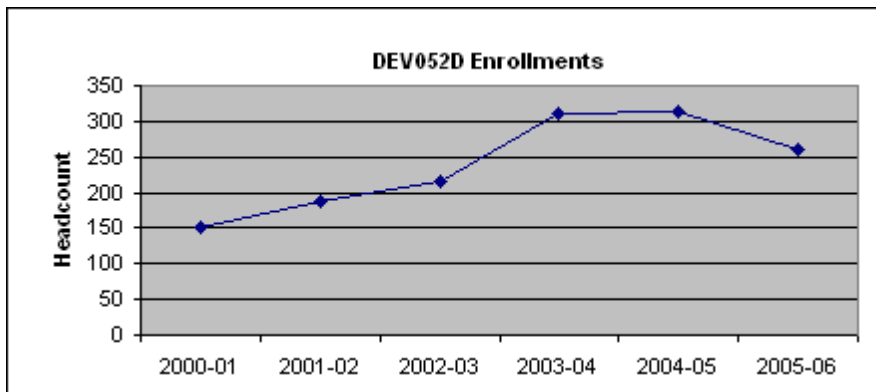


Academic Year	Headcount	A,B,C
2000-01	54.2%	
2001-02	60.9%	
2002-03	57.1%	
2003-04	56.0%	
2004-05	51.1%	
2005-06	55.2%	

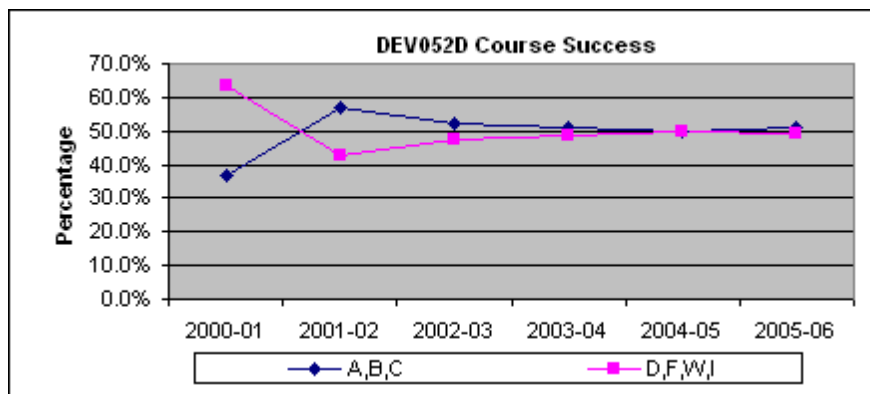
DEV052D Math Foundations

- Course enrollments declined from the prior year but reflect a 73.3% increase from 2000-2001 enrollments.
- Course success rates were comparable from AY 2003 to 2006. Success rates are still higher than the AY 2001 rate when slightly more than one-third of the students were successful.
- Course success rates in succeeding developmental math or MAT courses declined slightly in AY 2006 when compared to the previous year and reflect a continuing downward trend.

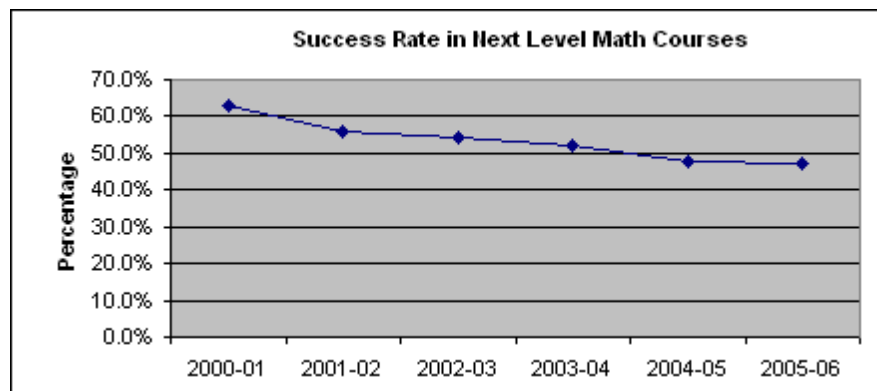
Summary data in enrollment patterns and course success for Math Foundations is provided in graphical format .



Academic Year	Headcount
2000-01	150
2001-02	189
2002-03	217
2003-04	311
2004-05	315
2005-06	260



Academic Year	A,B,C	D,F,W,I
2000-01	36.7%	63.3%
2001-02	57.1%	42.9%
2002-03	52.5%	47.5%
2003-04	51.1%	48.9%
2004-05	50.1%	49.9%
2005-06	50.8%	49.2%

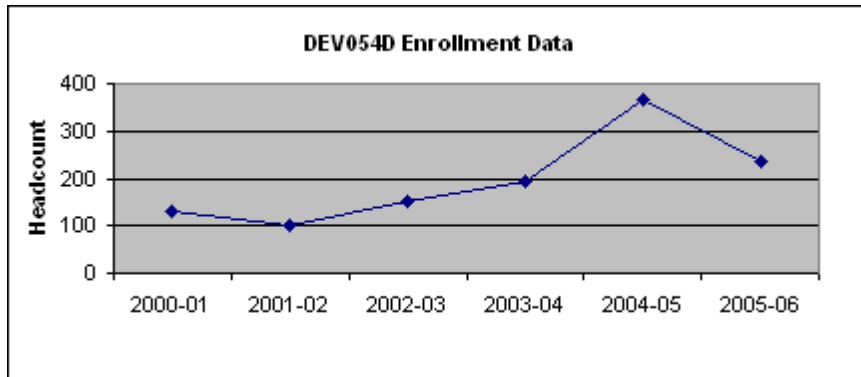


Academic Year	A,B,C
2000-01	63.2%
2001-02	56.1%
2002-03	54.4%
2003-04	52.2%
2004-05	47.9%
2005-06	47.3%

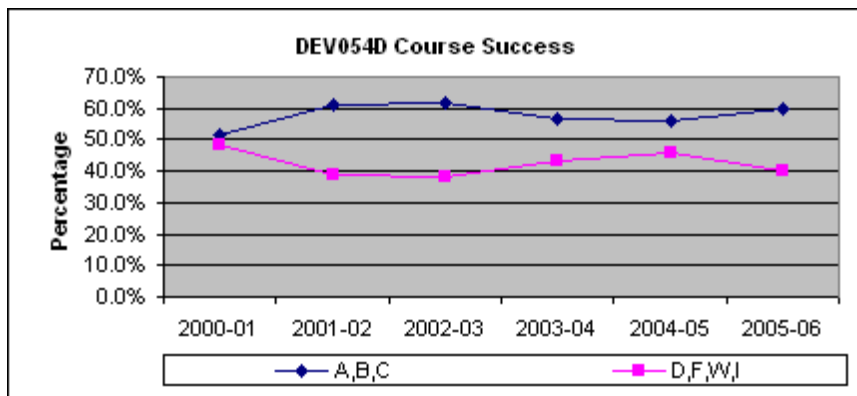
DEV054D Pre-Algebra Math

- Course enrollments declined from AY2005 to AY2006 after a general upward trend since AY2001/02.
- Course success in Pre-Algebra Math has improved since AY2004. 60.0% of the students enrolling earned an A, B, or C.
- Course enrollments in succeeding developmental and college-level math courses increased significantly compared to prior year's enrollment, continuing an upward trend.
- Course success improved to 53.0%.

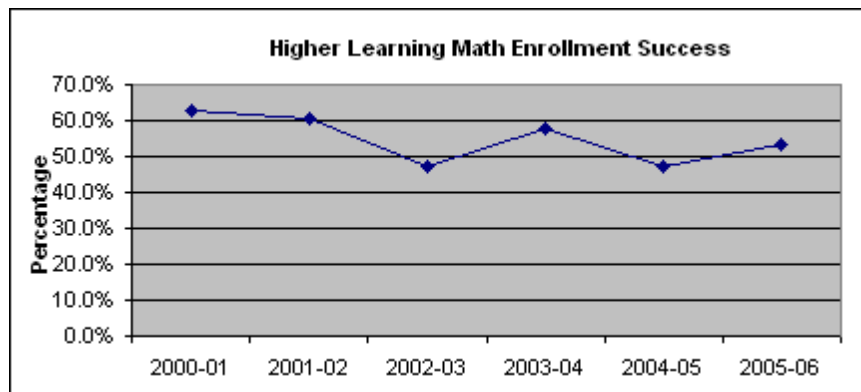
Tables as well as graphs reflect enrollments and course success in Pre-Algebra Math.



Academic Year	Headcount
2000-01	132
2001-02	101
2002-03	152
2003-04	193
2004-05	367
2005-06	234



Academic Year	A,B,C	D,F,W,I
2000-01	51.5%	48.5%
2001-02	61.4%	38.6%
2002-03	61.8%	38.2%
2003-04	56.5%	43.5%
2004-05	56.0%	46.0%
2005-06	59.8%	40.2%

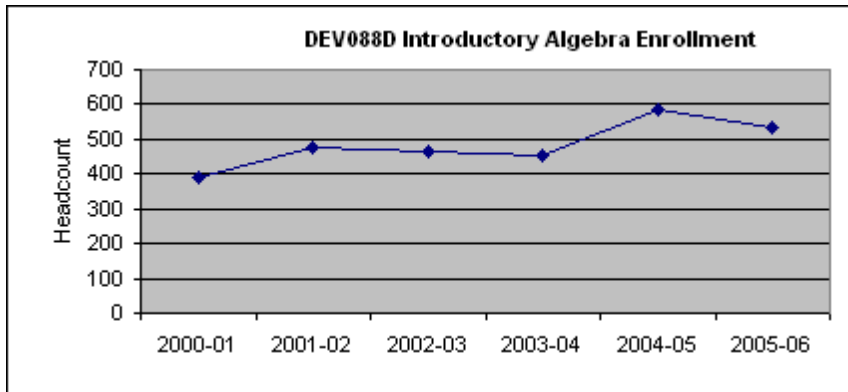


Academic Year	Headcount
2000-01	62.9%
2001-02	60.6%
2002-03	47.0%
2003-04	57.6%
2004-05	47.3%
2005-06	53.1%

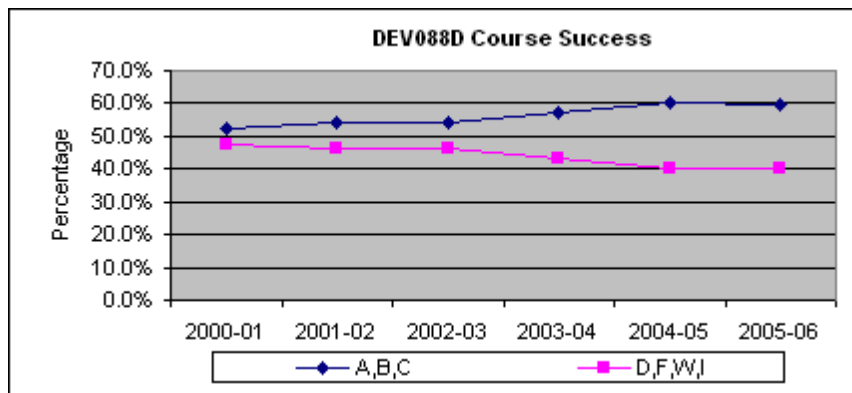
DEV088D Introductory Algebra

- Course enrollments declined from AY2005 to AY2006 but are 36% higher than 2000/01.
- Course success (A, B, C) in AY2006 was comparable to AY2005 reflecting a gradual upward trend since AY2001.
- Course success (A, B, C) in higher level math courses improved to 63.4% continuing a three year upward trend.

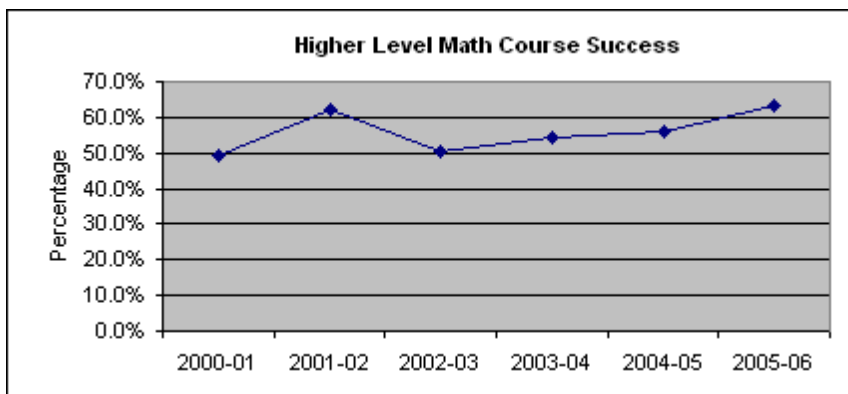
Tables as well as graphs reflect enrollments and course success in Introductory Algebra.



Academic Year	Headcount
2000-01	390
2001-02	479
2002-03	462
2003-04	451
2004-05	584
2005-06	532



Academic Year	A,B,C	D,F,W,I
2000-01	52.3%	47.7%
2001-02	53.9%	46.1%
2002-03	53.9%	46.1%
2003-04	57.0%	43.0%
2004-05	60.1%	39.9%
2005-06	59.6%	40.4%



Academic Year	Headcount
2000-01	49.3%
2001-02	62.0%
2002-03	50.2%
2003-04	54.4%
2004-05	56.2%
2005-06	63.4%

Summary:

As noted earlier, academic success (A, B, or C grades) in developmental as well as college-level courses is dependent upon multiple factors. These variables range from socio-economic to academic preparedness to situational variables that impact student abilities, motivation and commitment to learning.

Developmental education course enrollments and course success as well as enrollments and course success in higher level discipline and college transfer courses at Iowa Western Community College reflect varying trends.

Enrollment patterns and course success data for each respective Developmental course can be analyzed further to determine the impact of such variables as placement scores, scheduling, and course load on student success.