



OAKLAND  
COMMUNITY  
COLLEGE

**Course Retention  
Exercise Science Program  
Course Data from Spring '99 to Winter '02**

**Prepared by:  
Nancy Showers  
The Office of Institutional Research  
August 2002**

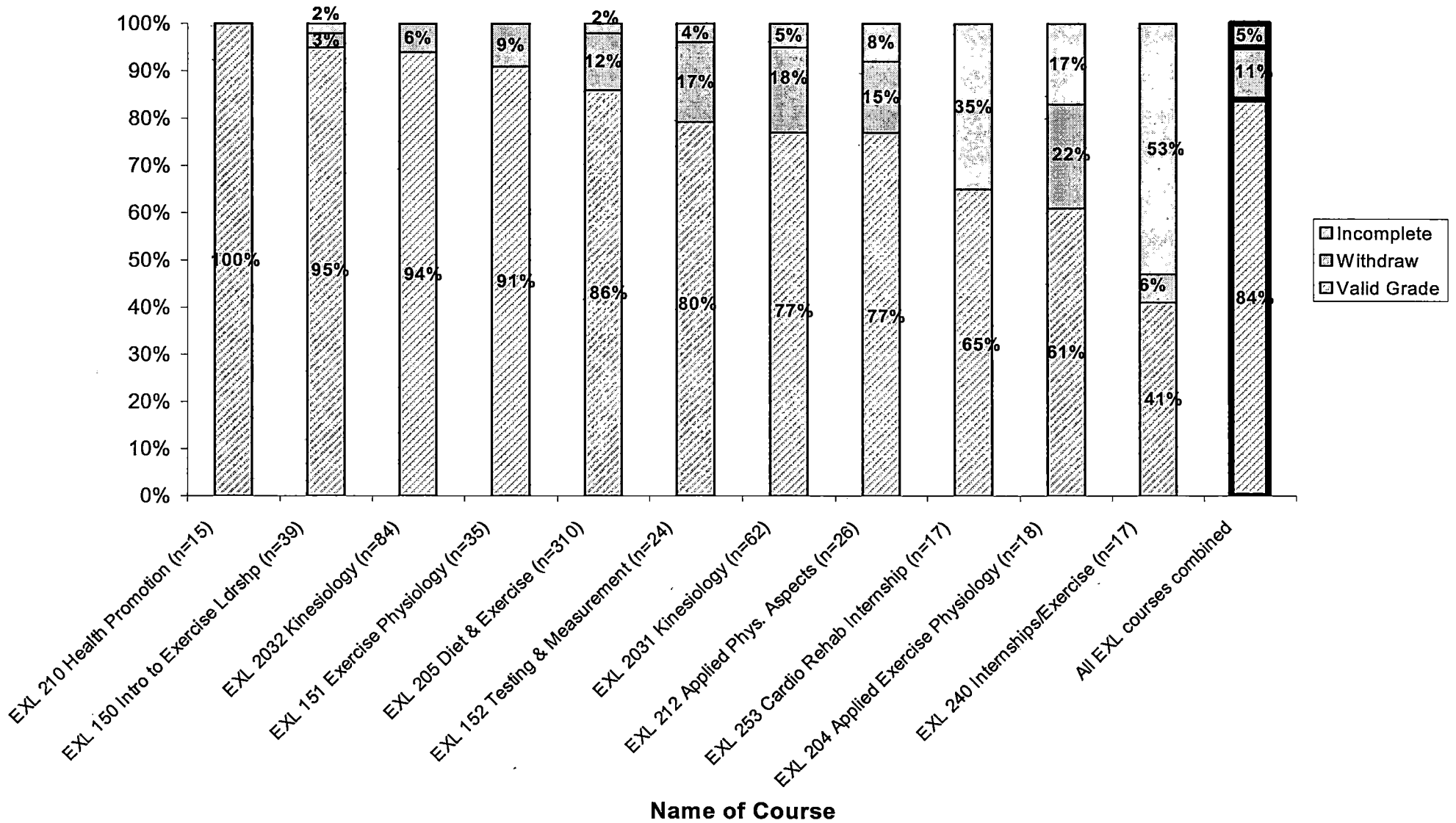
**Oakland Community College  
Exercise Science Retention Rates  
August 2002**

The following diagrams provide retention data for the Exercise Science courses over the past *three* academic years:

<b>Course Name</b>	<b>Valid Grade</b>	<b>Withdraw</b>	<b>Incomplete</b>	<b>Total "n"</b>
EXL 210	100% n=15	0	0	15
EXL 150	95% n=37	3% n=1	2% n=1	39
EXL 2032	94% n=79	6% n=5	0	84
EXL 151	91% n=32	9% n=3	0	35
EXL 205	86% n=267	12% n=37	2% n=6	310
EXL 152	80% n=19	17% n=4	4% n=1	24
EXL 2031	77% n=48	18% n=11	5% n=3	62
EXL 212	77% n=20	15% n=4	8% n=2	26
EXL 253	65% n=11	0	35% n=6	17
EXL 204	61% n=11	22% n=4	17% n=3	18
EXL 240	41% n=7	6% n=1	53% n=9	17
<b>ALL EXL combined</b>	<b>84% n=546</b>	<b>11% n=70</b>	<b>5% n=31</b>	<b>647</b>

Oakland Community College  
 Exercise Science Retention Rates  
 August 2002

Exercise Science Courses - Retention Rates



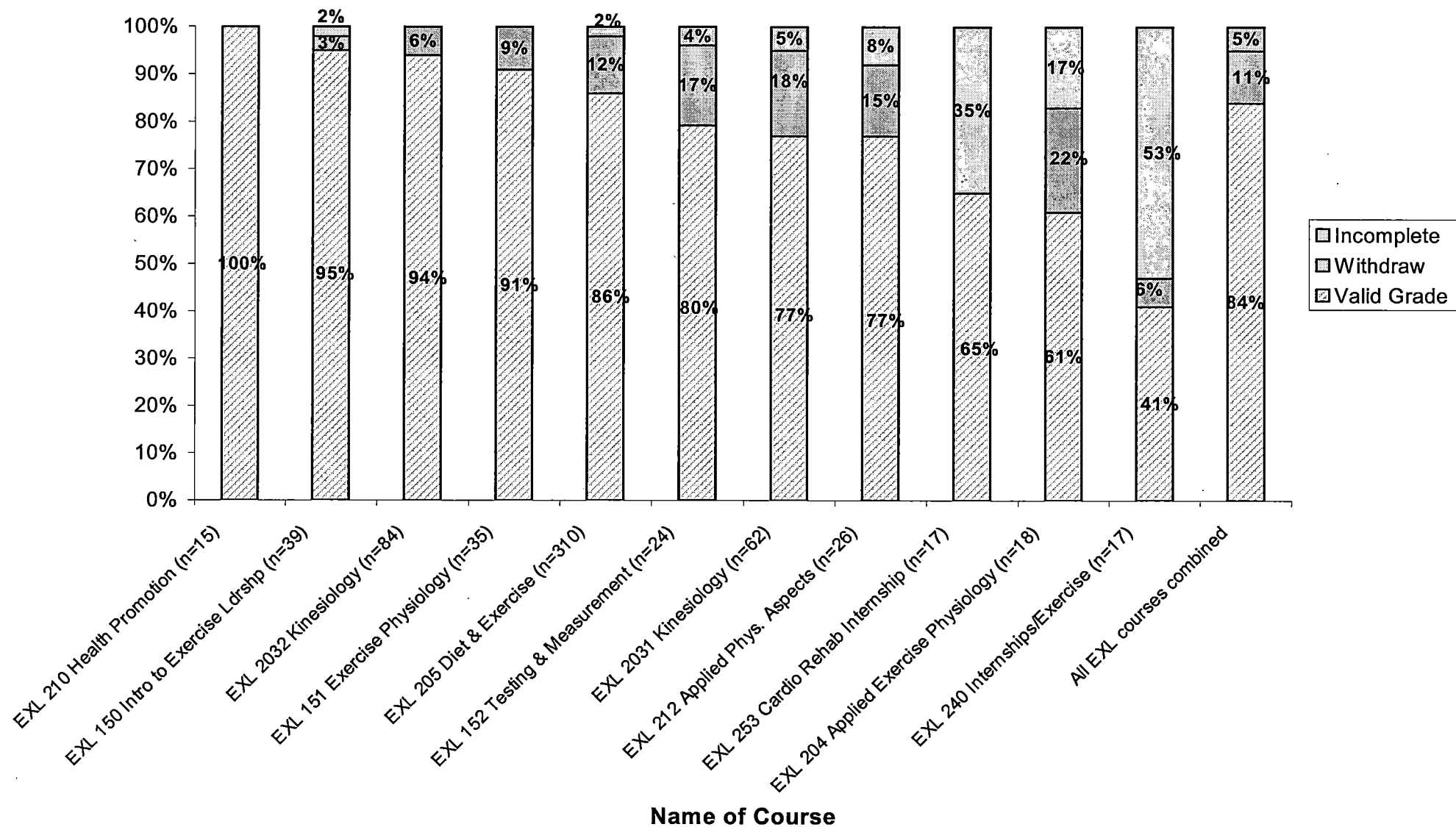
**Oakland Community College  
Exercise Science Retention Rates  
August 2002**

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**Oakland Community College  
Exercise Science Retention Rates  
August 2002**

**Exercise Science Courses - Retention Rates**



Source: OCC, Office of Institutional Research

**COURSE1**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid EXL150	40	5.7	5.7	5.7
EXL151	41	5.9	5.9	11.6
EXL152	28	4.0	4.0	15.6
EXL2031	65	9.3	9.3	24.9
EXL2032	89	12.7	12.7	37.6
EXL204	18	2.6	2.6	40.2
EXL205	338	48.4	48.4	88.6
EXL210	17	2.4	2.4	91.0
EXL212	28	4.0	4.0	95.0
EXL240	17	2.4	2.4	97.4
EXL253	18	2.6	2.6	100.0
Total	699	100.0	100.0	

*Combine Pass Fail Valid Grade*

*sorted by valid grade highest to lowest 2032 end of*

**Crosstabs**

**Case Processing Summary**

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 * RECALC	647	92.6%	52	7.4%	699	100.0%

**COURSE1 \* RECALC Crosstabulation**

			RECALC				Total
			0 Fail	1 Pass	2 Withdraw	9 Incomplete	
COURSE1	EXL150	Count		37	1	1	39
		% within COURSE1		94.9%	2.6%	2.6%	100.0%
	EXL151	Count		32	3		35
		% within COURSE1		91.4%	8.6%		100.0%
	EXL152	Count	15	4	4	1	24
		% within COURSE1	62.5%	16.7%	16.7%	4.2%	100.0%
	EXL2031	Count	9	39	11	3	62
		% within COURSE1	14.5%	62.9%	17.7%	4.8%	100.0%
	EXL2032	Count		79	5		84
		% within COURSE1		94.0%	6.0%		100.0%
	EXL204	Count		11	4	3	18
		% within COURSE1		61.1%	22.2%	16.7%	100.0%
	EXL205	Count	17	250	37	6	310
		% within COURSE1	5.5%	80.6%	11.9%	1.9%	100.0%
	EXL210	Count	5	10			15
		% within COURSE1	33.3%	66.7%			100.0%
	EXL212	Count		20	4	2	26
		% within COURSE1		76.9%	15.4%	7.7%	100.0%
	EXL240	Count		7	1	9	17
		% within COURSE1		41.2%	5.9%	52.9%	100.0%
	EXL253	Count		11		6	17
		% within COURSE1		64.7%		35.3%	100.0%
Total		Count	46	500	70	31	647
		% within COURSE1	7.1%	77.3%	10.8%	4.8%	100.0%

*Add another chart c/overall to rpt*

*Source: ooc pad*

*add header footer*

*bottom Name of course (bold)*

RECODE

grade1

('0'=0) ('1'=1) ('2'=1) ('3'=1) ('4'=1) ('5'=0) ('7'=2) ('9'=9)

('F'=2) ('G'=1) ('H'=1) ('J'=1) ('L'=1) ('M'=1) ('P'=1) ('W'=2)

('A'=SYSMIS) ('K'=SYSMIS) ('N'=SYSMIS) ('Z'=SYSMIS) INTO RECALC.

EXECUTE.

Spring '99 - Winter '02

# Frequencies

## Statistics

GRADE1

N	Valid	699
	Missing	0

GRADE1

1 = passed  
 2 = WD  
 9 = 9th day  
 4 = ~~drop~~ in P/10th day  
 0 = F failed

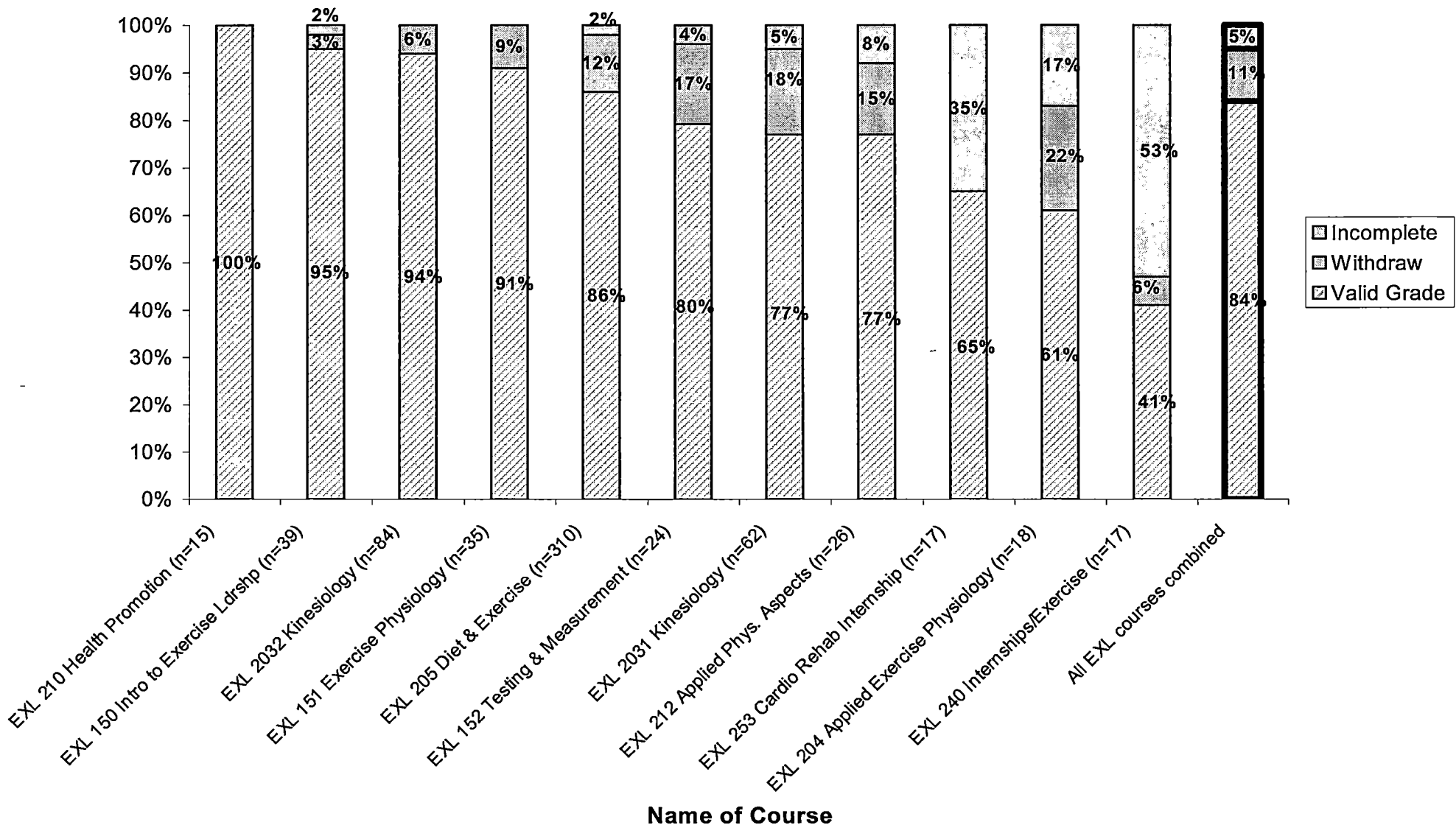
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	21	3.0	3.0	3.0
1 = 1	241	34.5	34.5	37.5
2 = 1	68	9.7	9.7	47.2
3 = 1	30	4.3	4.3	51.5
4 = 1	12	1.7	1.7	53.2
5 = 0	25	3.6	3.6	56.8
7 = 2	17	2.4	2.4	59.2
9 = 9	31	4.4	4.4	63.7
A = 9	2	.3	.3	63.9
F = 2	1	.1	.1	64.1
G = 1	60	8.6	8.6	72.7
H = 1	39	5.6	5.6	78.3
J = 1	20	2.9	2.9	81.1
K = 1	9	1.3	1.3	82.4
L = 1	22	3.1	3.1	85.6
M = 1	5	.7	.7	86.3
N = 1	12	1.7	1.7	88.0
P = 1	3	.4	.4	88.4
W = 2	52	7.4	7.4	95.9
Z = 2	29	4.1	4.1	100.0
Total	699	100.0	100.0	

not incl.  
 not incl.  
 not incl.



**Oakland Community College  
Exercise Science Retention Rates  
August 2002**

**Exercise Science Courses - Retention Rates**



Source: OCC, Office of Institutional Research

STRING 1grade (A3) .

RECODE

grade1 ('F'='WF') ('B'='3.3') ('C'='2.3') ('D'='1.3') ('G'='3.7')  
('H'='3.3') ('J'='2.7') ('K'='K') ('L'='2.3') ('M'='1.7') ('N'='N')  
('O'='1.7') ('P'='1.3') ('Q'='1.3') ('R'='R') ('S'='1.0') ('T'='0.0')  
('U'='WF') ('W'='W') ('Z'='X') ('0'='0') ('1'='4.0') ('2'='3.0')  
('3'='2.0') ('4'='1.0') ('5'='0.0') ('6'='X') ('7'='WP') ('8'='WF')  
('9'='I') INTO grades1 .

VARIABLE LABELS 1grade 'converted grade'.

EXECUTE .

compute grd151N = NUMBER(grd151C, F3.1) .

Execute.

FREQUENCIES

VARIABLES=grd151n grd151c

/ORDER= ANALYSIS .

30

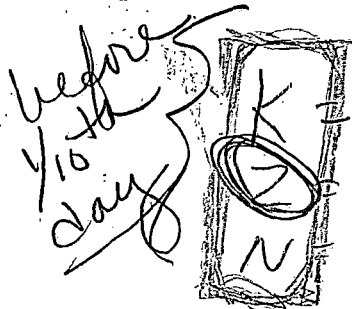
★ 9 = I

Withdraw = WF, I, K

OCC Grades and Marks

Stored As	Prints As	Cred Att	Cred Earned	Hon. Pts.	Print on Tran	Repeat For Credit	Input As	First Sess	Last Sess	F.A. Att	F.A. Earned	F.A. Hon Pts
A	Audit	0.0	0.0	0.0	Y	Y	AU	655		0.0	0.0	0.0
B	B+	1.0	1.0	3.5	Y	N	B*	835	954	1.0	1.0	3.5
C	C+	1.0	1.0	2.5	Y	N	C*	835	954	1.0	1.0	2.5
D	D+	1.0	1.0	1.5	Y	N	D*	835	954	1.0	1.0	1.5
F	WF	0.0	0.0	0.0	Y	N	WF	955		1.0	0.0	0.0
G	A-	1.0	1.0	3.7	Y	N	A-	955		1.0	1.0	3.7
H	B+	1.0	1.0	3.3	Y	N	B+	955		1.0	1.0	3.3
J	B-	1.0	1.0	2.7	Y	N	B-	955		1.0	1.0	2.7
K	K	0.0	0.0	0.0	N	Y	K	895		0.0	0.0	0.0
L	C+	1.0	1.0	2.3	Y	N	C+	955		1.0	1.0	2.3
M	C-	1.0	1.0	1.7	Y	N	C-	955		1.0	1.0	1.7
N	N	0.0	0.0	0.0	Y	Y	N	815		0.0	0.0	0.0
O	C-	0.0	0.0	0.0	Y	N	O	955		1.0	1.0	1.7
P	D+	1.0	1.0	1.3	Y	N	D+	955		1.0	1.0	1.3
Q	D+	0.0	0.0	0.0	Y	N	Q	835		1.0	1.0	1.3
R	Repeat	0.0	0.0	0.0	Y	Y	RE	655	805	1.0	0.0	0.0
S	D	0.0	0.0	0.0	Y	N	S	655		1.0	1.0	1.0
T	F	0.0	0.0	0.0	Y	N	T	655		1.0	1.0	0.0
U	WF	0.0	0.0	0.0	Y	N	U	655		1.0	0.0	0.0
W	W	0.0	0.0	0.0	Y	Y	W	655		1.0	0.0	0.0
Z	X	0.0	0.0	0.0	Y	Y	X	695	764	1.0	0.0	0.0
Z	CP	0.0	0.0	0.0	Y	Y	CP	975		1.0	0.0	0.0
Z	Z	0.0	0.0	0.0	N	Y	Z	655		0.0	0.0	0.0
0		0.0	0.0	0.0	Y	Y	0	655		0.0	0.0	0.0
1	A	1.0	1.0	4.0	Y	N	A	655		1.0	1.0	4.0
2	B	1.0	1.0	3.0	Y	N	B	655		1.0	1.0	3.0
3	C	1.0	1.0	2.0	Y	N	C	655		1.0	1.0	2.0
4	D	1.0	1.0	1.0	Y	N	D	655		1.0	1.0	1.0
5	F	1.0	0.0	0.0	Y	Y	F	655		1.0	1.0	0.0
6	X	0.0	0.0	0.0	Y	Y	NS	695	764	1.0	0.0	0.0
7	WF	0.0	0.0	0.0	Y	Y	WP	655		1.0	0.0	0.0
8	WF	1.0	0.0	0.0	Y	Y	FW	655	954	1.0	0.0	0.0
9	I	0.0	0.0	0.0	Y	Y	I	655		1.0	0.0	0.0

Real Grade →



Withdrew within the 75% refund period (Reported for State)  
 Withdrew " " 100% " "  
 No Show: Student never appeared in class.

# Crosstabs

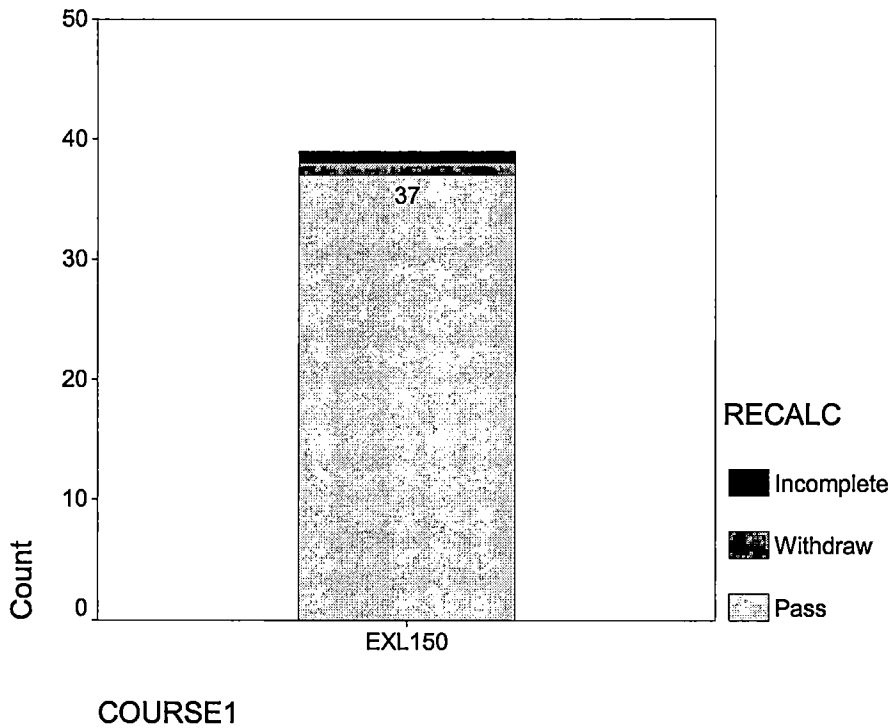
## Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 * RECALC	39	97.5%	1	2.5%	40	100.0%

## COURSE1 \* RECALC Crosstabulation

% within COURSE1

		RECALC			Total
		1 Pass	2 Withdraw	9 Incomplete	
COURSE1	EXL150	94.9%	2.6%	2.6%	100.0%
Total		94.9%	2.6%	2.6%	100.0%



# Frequencies

## Statistics

COURSE1

N	Valid	699
	Missing	0

# Crosstabs

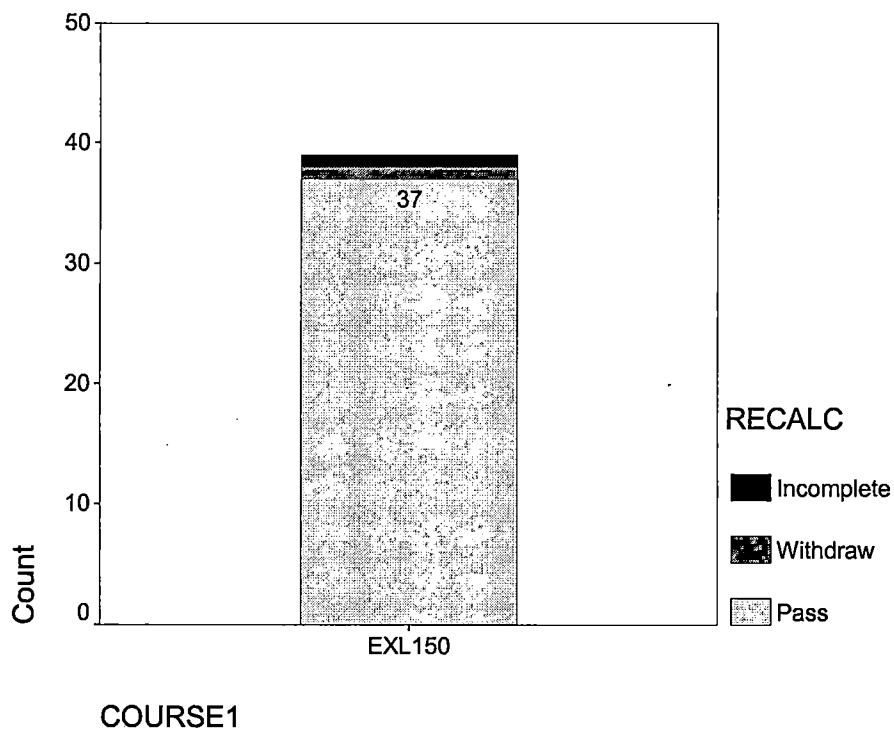
## Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 * RECALC	39	97.5%	1	2.5%	40	100.0%

## COURSE1 \* RECALC Crosstabulation

% within COURSE1

		RECALC			Total
		1 Pass	2 Withdraw	9 Incomplete	
COURSE1	EXL150	94.9%	2.6%	2.6%	100.0%
Total		94.9%	2.6%	2.6%	100.0%



# Crosstabs

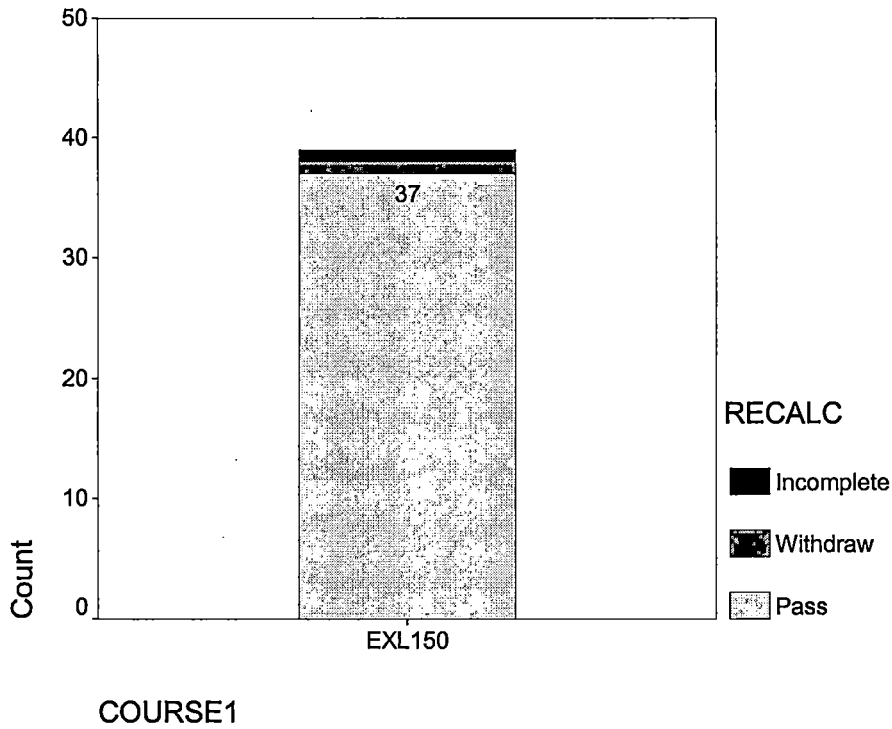
## Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 * RECALC	39	97.5%	1	2.5%	40	100.0%

## COURSE1 \* RECALC Crosstabulation

% within COURSE1

		RECALC			Total
		1 Pass	2 Withdraw	9 Incomplete	
COURSE1	EXL150	94.9%	2.6%	2.6%	100.0%
Total		94.9%	2.6%	2.6%	100.0%



# Frequencies

## Statistics

COURSE1

N	Valid	699
	Missing	0

COURSE1

Vicki  
~~#~~  
e-mail

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	EXL150	40	5.7	5.7	5.7
	EXL151	41	5.9	5.9	11.6
	EXL152	28	4.0	4.0	15.6
	EXL2031	65	9.3	9.3	24.9
	EXL2032	89	12.7	12.7	37.6
	EXL204	18	2.6	2.6	40.2
	EXL205	338	48.4	48.4	88.6
	EXL210	17	2.4	2.4	91.0
	EXL212	28	4.0	4.0	95.0
	EXL240	17	2.4	2.4	97.4
	EXL253	18	2.6	2.6	100.0
	Total	699	100.0	100.0	

The following analysis will provide retention data for the Exercise Science courses over the past three academic years.

Course Name	Pass	Fail	Withdraw	Incomplete	Total "n"
EXL 150	95% n=37	0	3% n=1	2% n=1	39
EXL 151	91% n=32	0	9% n=3	0	35
EXL 152	17% n=4	63% n=15	17% n=4	4% n=1	24
EXL 2031	63% <sup>2</sup> n=39	15% n=9	18% n=11	5% n=3	62
EXL 2032	94% n=79	0	6% n=5	0	84
EXL 204	61% n=11	0	22% n=4	17% n=3	18
EXL 205	81% n=250	6% <sup>5</sup> n=17	12% n=37	2% n=6	310
EXL 210	67% n=10	33% n=5	0	0	15
EXL 212	77% n=20	0	15% n=4	8% n=2	26
EXL 240	41% n=7	0	6% n=1	53% n=9	17
EXL 253	65% n=11	0	0	35% n=6	17



# Crosstabs

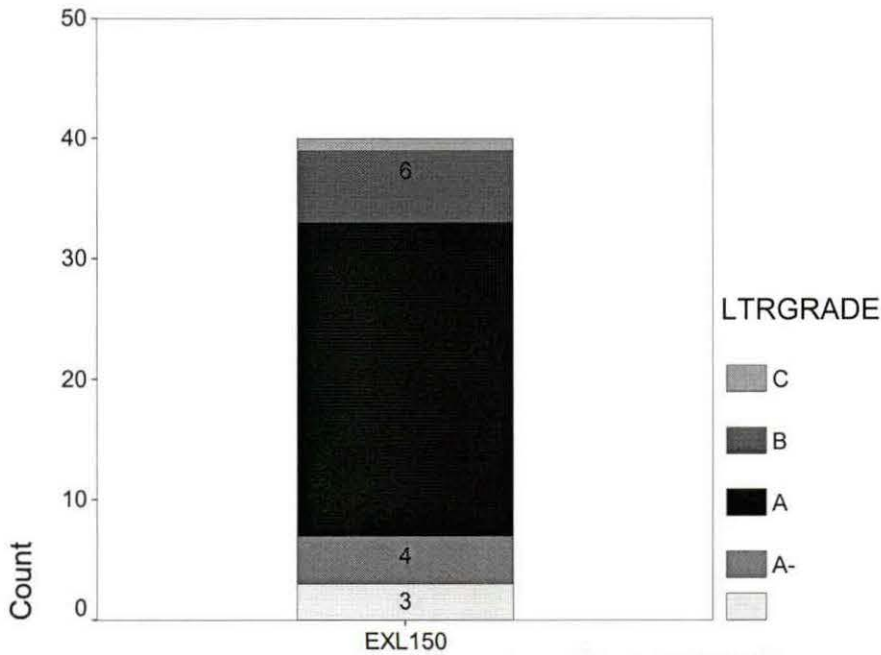
## Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 * LTRGRADE	40	100.0%	0	.0%	40	100.0%

## COURSE1 \* LTRGRADE Crosstabulation

% within COURSE1

		LTRGRADE				Total	
		A-	A	B	C		
COURSE1	EXL150	7.5%	10.0%	65.0%	15.0%	2.5%	100.0%
Total		7.5%	10.0%	65.0%	15.0%	2.5%	100.0%



COURSE1

*Msg ?  
%s instead  
of count  
order of grades*

## Showers, Nancy

---

**From:** Orlowski, Martin  
**Sent:** Tuesday, August 20, 2002 8:56 AM  
**To:** Showers, Nancy  
**Cc:** Fox, Eleanor  
**Subject:** Paralegal In-Class Survey

Nancy,

Thanks for the in-class survey analysis. Can I assume that all the in-class survey data is in ONE SPSS file? Assuming it is, we should have at least three terms of data in the file (Winter 02, Fall 01 and Spring 01) right? If all of this is true, then what I'd like to see is a crosstab analysis that has each term as the columns and survey questions as the rows. Show only column percentages. One of the most important matters the Program Marketing Team needs to track is how the characteristics of Paralegal students change over time. This will help us to determine if our marketing efforts are having any impact on the program (students who enroll in the program).

As time passes we are expecting to see several shifts in the data. Having such an analysis as I described above will help us determine if our expectations are coming true. If you could write a syntax and save it for future use, this will speed up the process of analyzing the data in the future.

Please don't hesitate to call me if you have any questions. Thanks.

Martin A. Orlowski, Director,  
Institutional Effectiveness  
Oakland Community College  
(248) 522-3882  
maorlows@occ.cc.mi.us

# Crosstabs

## Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 *	525	75.1%	174	24.9%	699	100.0%

### COURSE1 \* Crosstabulation

			D+0 <sup>1</sup>							B <sup>1</sup>	
			.00	1.00	1.30	1.70	2.00	2.30	2.70	3.00	3.30
COURSE1	EXL150	Count						1		3	3
		% within COURSE1						2.7%		8.1%	8.1%
	EXL151	Count		3	1	2	1	2	4	5	2
		% within COURSE1		9.4%	3.1%	6.3%	3.1%	6.3%	12.5%	15.6%	6.3%
	EXL152	Count								2	2
		% within COURSE1								50.0%	50.0%
	EXL2031	Count	9	2	1	1	7	10	6	7	3
		% within COURSE1	18.8%	4.2%	2.1%	2.1%	14.6%	20.8%	12.5%	14.6%	6.3%
	EXL2032	Count		2		1	9	5	7	11	3
		% within COURSE1		2.5%		1.3%	11.4%	6.3%	8.9%	13.9%	3.8%
	EXL204	Count		1							2
		% within COURSE1		9.1%							18.2%
	EXL205	Count	16	4	1	1	11	3	3	35	24
	% within COURSE1	6.0%	1.5%	.4%	.4%	4.1%	1.1%	1.1%	13.2%	9.0%	
EXL210	Count						1				
	% within COURSE1						10.0%				
EXL212	Count					2			3	1	
	% within COURSE1					10.0%			15.0%	5.0%	
EXL240	Count									1	
	% within COURSE1									14.3%	
EXL253	Count										
	% within COURSE1										
Total	Count	25	12	3	5	30	22	20	68	39	
	% within COURSE1	4.8%	2.3%	.6%	1.0%	5.7%	4.2%	3.8%	13.0%	7.4%	

F - A		Total
70	4.00	
4	26	37
10.8%	70.3%	100.0%
8	4	32
25.0%	12.5%	100.0%
		4
		100.0%
	2	48
	4.2%	100.0%
14	27	79
17.7%	34.2%	100.0%
3	5	11
27.3%	45.5%	100.0%
23	145	266
8.6%	54.5%	100.0%
3	6	10
30.0%	60.0%	100.0%
4	10	20
20.0%	50.0%	100.0%
	6	7
	85.7%	100.0%
1	10	11
9.1%	90.9%	100.0%
60	241	525
11.4%	45.9%	100.0%

Course file	Semester	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Notes
021 <i>E</i>	Winter '02							
015 <i>E</i>	Fall '01							<del>Where is?</del>
014 <i>E</i>	Summer '01							
012	Spring '01							
011 <i>EU</i>	Winter '01							
005	Fall '00							
004	Summer '00							
002	Spring '00							
001	Winter '00							
995	Fall '99							
994	Summer '99							
992	Spring '99							

# Frequencies

## Statistics

		GRADE1	GRADE2	GRADE3	GRADE4
N	Valid	179790	179790	179790	179790
	Missing	0	0	0	0

# Frequency Table

## GRADE1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	25808	14.4	14.4	14.4
	1	36296	20.2	20.2	34.5
	2	15378	8.6	8.6	43.1
	3	9595	5.3	5.3	48.4
	4	3364	1.9	1.9	50.3
	5	8068	4.5	4.5	54.8
	7	6304	3.5	3.5	58.3
	9	2931	1.6	1.6	59.9
	A	1723	1.0	1.0	60.9
	F	3659	2.0	2.0	62.9
	G	11829	6.6	6.6	69.5
	H	11236	6.2	6.2	75.8
	J	7079	3.9	3.9	79.7
	K	2623	1.5	1.5	81.1
	L	5888	3.3	3.3	84.4
	M	2862	1.6	1.6	86.0
	N	2849	1.6	1.6	87.6
	P	1532	.9	.9	88.4
	W	14583	8.1	8.1	96.6
	Z	6183	3.4	3.4	100.0
	Total	179790	100.0	100.0	

# Crosstabs

## Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COURSE1 * GRADES	699	100.0%	0	.0%	699	100.0%

## COURSE1 \* GRADES Crosstabulation

			GRADES					Total
				A-	A	B	C	
COURSE1	EXL150	Count	3	4	26	6	1	40
		% within COURSE1	7.5%	10.0%	65.0%	15.0%	2.5%	100.0%
	EXL151	Count	9	8	4	11	5	41
		% within COURSE1	22.0%	19.5%	9.8%	26.8%	12.2%	9.8%
	EXL152	Count	24			4		28
		% within COURSE1	85.7%			14.3%		100.0%
	EXL2031	Count	17		2	16	18	65
		% within COURSE1	26.2%		3.1%	24.6%	27.7%	18.5%
	EXL2032	Count	10	14	27	21	15	89
		% within COURSE1	11.2%	15.7%	30.3%	23.6%	16.9%	2.2%
	EXL204	Count	7	3	5	2		18
		% within COURSE1	38.9%	16.7%	27.8%	11.1%		5.6%
	EXL205	Count	72	23	145	62	15	338
		% within COURSE1	21.3%	6.8%	42.9%	18.3%	4.4%	6.2%
	EXL210	Count	7	3	6		1	17
		% within COURSE1	41.2%	17.6%	35.3%		5.9%	
	EXL212	Count	8	4	10	4	2	28
		% within COURSE1	28.6%	14.3%	35.7%	14.3%	7.1%	
	EXL240	Count	10		6	1		17
		% within COURSE1	58.8%		35.3%	5.9%		
	EXL253	Count	7	1	10			18
		% within COURSE1	38.9%	5.6%	55.6%			
Total		Count	174	60	241	127	57	699
		% within COURSE1	24.9%	8.6%	34.5%	18.2%	8.2%	5.7%

**GRADE2**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	82823	46.1	46.1	46.1
0	10352	5.8	5.8	51.8
1	18786	10.4	10.4	62.3
2	8785	4.9	4.9	67.2
3	5504	3.1	3.1	70.2
4	2054	1.1	1.1	71.4
5	4872	2.7	2.7	74.1
7	3307	1.8	1.8	75.9
9	1665	.9	.9	76.8
A	217	.1	.1	77.0
F	2205	1.2	1.2	78.2
G	6734	3.7	3.7	81.9
H	6507	3.6	3.6	85.6
J	4023	2.2	2.2	87.8
K	1381	.8	.8	88.6
L	3594	2.0	2.0	90.6
M	1778	1.0	1.0	91.5
N	1809	1.0	1.0	92.6
P	981	.5	.5	93.1
W	9084	5.1	5.1	98.1
Z	3329	1.9	1.9	100.0
Total	179790	100.0	100.0	

**GRADE3**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	130955	72.8	72.8	72.8
0	3369	1.9	1.9	74.7
1	9019	5.0	5.0	79.7
2	4963	2.8	2.8	82.5
3	3075	1.7	1.7	84.2
4	1203	.7	.7	84.9
5	2756	1.5	1.5	86.4
7	1749	1.0	1.0	87.4
9	827	.5	.5	87.8
A	53	.0	.0	87.9
F	1145	.6	.6	88.5
G	3439	1.9	1.9	90.4
H	3341	1.9	1.9	92.3
J	2210	1.2	1.2	93.5
K	691	.4	.4	93.9
L	1975	1.1	1.1	95.0
M	1062	.6	.6	95.6
N	1068	.6	.6	96.2
P	587	.3	.3	96.5
W	4904	2.7	2.7	99.2
Z	1399	.8	.8	100.0
Total	179790	100.0	100.0	



GRADE4

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	155056	86.2	86.2	86.2
0	1275	.7	.7	87.0
1	5047	2.8	2.8	89.8
2	2571	1.4	1.4	91.2
3	1534	.9	.9	92.0
4	603	.3	.3	92.4
5	1208	.7	.7	93.0
7	843	.5	.5	93.5
9	441	.2	.2	93.8
A	18	.0	.0	93.8
F	562	.3	.3	94.1
G	1817	1.0	1.0	95.1
H	1808	1.0	1.0	96.1
J	1175	.7	.7	96.8
K	347	.2	.2	96.9
L	1034	.6	.6	97.5
M	475	.3	.3	97.8
N	555	.3	.3	98.1
P	289	.2	.2	98.3
W	2380	1.3	1.3	99.6
Z	752	.4	.4	100.0
Total	179790	100.0	100.0	