

PROCEEDINGS
Enrollment Services Board
94-195, July 14, 1994

The following board members were present: D. Sam, B. Stanbrough, R. Steele, J. Mason, D. Zalapi, M. Mueller, and M. McCall, chairman. Our guests were Marty Orlowski and Sarah Swager.

94-195.01 - creation of the residency review board. This matter was announced and it was noted that this is a crowning activity that is not to affect the way appeals for fees, refunds, and residencies are handled on the various campuses.

94-195.02 - Marty Orlowski presented a most invigorating report (see Attachment A) with regard to his findings of how and why students withdraw. The discussions led to the determination that the Enrollment Services Board would target three elements that Mr. Orlowski had isolated as part of our continuous improvement operating target. The following three seemed pertinent and were noted by a large number of students as reasons for leaving OCC classes: 1) "course too difficult"; (2) "course is not what I expected"; and, 3) "conflict with work". We thought we might be able to somehow influence one or more of these as a part of our continuous improvement work during the upcoming academic year.

The withdrawal form asks the question about "registration error" as a potential cause. It is determined that part of our responsibility will be to redesign the form for clarity because such a statement is not clear as to whether we are looking inward toward college operations or outward at student actions.

94-195.21 - Old Business: the add-a-seat standardized form. After concluding our discourse with Mr. Orlowski, we noticed that time was short, so the agenda was pushed.

The add-a-seat standardized form issue was raised, discussed and it was determined that we need only gain the signature of the faculty person on the forms that we now use. We will use the campus forms and not attempt to have a college-wide standard for this activity.

94-195.22 - catalog distribution. The chairman reminded the campus members that they are the campus authority in many things, but certainly with regard to catalog distribution. Many requests will come through them and such requests need to be evaluated as to whether or not merit is present for the use of the catalog as an administrative tool in that request.

94-195.23 - Mr. Chairman announced that he is attempting to increase the activity of gathering data so that our goal of measuring our process in the registration arena can be based on data that is collected during this time period. We wish to have a base floor of data from which to be able to determine that change/progress has been made with Touch*Tone telephone work, walk-in telephone work, and/or any combination thereof.

94-195.24 - college-wide service consistency mailing. It was noted that we wish that all campuses would mail course schedule documents promptly to any requesting student and not hesitate or hold up such activity. If there is any question about such matters, please consult your campus president.

94-195.25 - ASSET forms inventory. Chris Beacco was called in to discuss the storehouse full of forms which had been received from ACT. It was determined that Ms. Beacco will contact the campus ASSET coordinators with a copy of the form seeking to know whether or not supplies of that document were needed.

New Business

94-195.31 It was noted, as most people didn't need reminding, that the Admissions Team retreat is scheduled for Wednesday, July 20, at the Auburn Hills Hilton Suites, in the Pistons Room. An agenda is sought out, hopefully before the event takes place (see Attachment B).

94-195.33 - The chairman raised a question about the meeting schedule for next year having not found much evidence of special meetings of the Enrollment Services Board through the past academic year. He was reminded that they did meet in alternate months from the Academic Services Steering Committee. Theory is, this is what shall be scheduled for the next academic year.

The meeting ended with announcements that Auburn Hills will indeed move forward with a development of a central welcome center for students. This service combination process will be established in the B Building complex and will serve as a focal point to which students will be directed for any academic/support services they may need. We look forward to seeing how this model works and to learn if it projects the kind of atmosphere and friendly feeling that we wish to see more of in our environment.

David Sam noted that his responsibilities within the institution are changing and that he is leaving the Admissions/Recruitment Team. His duties will increase in the area of training and development as he applies the methods he has learned with regard to teamwork, team cooperation and spirit building to enhance the college human resources in that area. We wish him the best.

Oakland Community College
Preliminary Analysis of Student Withdrawal Surveys
 (Calendar Year 1993)

The Office of Institutional Planning & Analysis analyzed students' responses to the Withdrawal Survey to determine predominant reasons for withdrawal from courses. We separated data into multiple categories (such as gender, ethnicity, time of withdrawal, complete withdrawal and age) to help with the analysis. The following statements represent some of the findings from this analysis.

Overall

Reason for Withdrawal	Number	Percent
Transportation Problems	637	4.8 %
Conflict with Work	4916	36.8 %
Moving from the Area	287	2.2 %
Financial Reasons	621	4.7 %
Conflict with Instructor	665	5.0 %
Medical Reasons	999	7.5 %
Child Care Problems	404	3.0 %
Registration Error	255	1.9 %
Course too Difficult	2023	15.2 %
Course too Easy	150	1.1 %
Course Scheduling Conflict	869	6.5 %
Personal Reasons	3690	27.6 %
Course is not what I Expected	1594	11.9 %
Other	1444	10.4 %

Gender

- The most cited reason for withdrawal for both men (43.9 %) and women (31.1 %) was "conflict with work."
- Women (16.5 %) were more likely than men (11.3%) to indicate that their "course was too difficult."
- Women were more likely to cite "medical reasons" (9.6%), "child care problems" (4.6%), and "conflict with instructor" (5.6%) when compared to men (4.9%, 1.2%, and 4.3%, respectively).
- Both men (26.6%) and women (28.6%) cited "personal reasons" for withdrawal.

Ethnicity

- Minority students (10.1%) were more likely to indicate "problems with transportation" than non-minority students (3.9%).
- Non-minority students (38.6%) were more likely to cite "conflict with work" than minority students (31.5%).
- Minority students were more likely to indicate both "medical reasons" (8.9%) and "child care problems" (5.9%) when compared to non-minority respondents (7.5% and 2.7%, respectively).

Age

- Older students were more likely to cite "medical reasons" (13.6%) and "childcare problems" (4.6%) than younger students (5.5% and 1.5%, respectively).
- Younger students are more likely to withdraw because the "course was too difficult" (17.4%) and to indicate the "course was not what they expected" (13.7%) compared to older students (11.1% and 9.6%, respectively).

Time of Withdrawal

- The responses "course too difficult" (e.g. Fall term 11.5% in September compared to 22.3% in November), "conflict with instructor" (3.4% September, 8.2% November), and "personal reasons" (23.7% September, 32.4% November) were more frequent late in the term than earlier.
- The response "conflict with work" remained constant through the term (36.4% September, 39.6% October, 36.0% November).

100% Withdrawal

- "Conflict with work" is more likely to result in 100% withdrawal (41.4%) than partial withdrawal (33.7%).
- "Conflict with instructor" and "course too difficult" were more likely to result in partial withdrawal (6.2%, 19.4%) than complete withdrawal (3.3%, 9.2%).

Admission Retreat Agenda
July 20, 1994
Hilton Suites, Pistons Room

8:30 a.m.

Continental Repass

8:45 a.m.

Discussion Period I

- a) Recruiter Ettiquette
- b) Understanding the Catalog
- c) Knowing Programs
- d) Techniques (K. Urban)
 - Q & A Tracking
 - Data on Minorities
 - Retention
 - SASP
 - Inquiry Responses
 - Scholarship Info Process

11:00 a.m.

Interface with Carol Mack, Director of Admissions, U of M-Dearborn

12:10 p.m.

Lunch (interface continues), David Sam Recognition

1:30 p.m.

Carol Mack Interface Continues

3:30 p.m.

Organization/Operation/Schedule Issues
Programs to Cover
Annual Schedule of Anchor Events

- a) Scholarship Operation
- b) Counselor Luncheon

The Recruitment Plan

RELATED2 by ASSOC associate degree

RELATED2	Count Row Pct Col Pct Tot Pct	ASSOC			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1.00		5	9	40	54
		9.3	16.7	74.1	30.0
		22.7	40.9	29.4	
		2.8	5.0	22.2	
2.00		8	4	42	54
		14.8	7.4	77.8	30.0
		36.4	18.2	30.9	
		4.4	2.2	23.3	
3.00		9	9	54	72
		12.5	12.5	75.0	40.0
		40.9	40.9	39.7	
		5.0	5.0	30.0	
Column Total		22	22	136	180
		12.2	12.2	75.6	100.0

Chi-Square	Value	DF	Significance
Pearson	2.64483	4	.61890
Likelihood Ratio	2.74093	4	.60207
Mantel-Haenszel test for linear association	.03292	1	.85602
Minimum Expected Frequency -	6.600		

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	-.01356	.07213	-.18096	.85661 *4
Spearman Correlation	-.00220	.07427	-.02940	.97658 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance
Number of Missing Observations: 0

RELATED2	Count Row Pct Col Pct Tot Pct	CAREER			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1.00		3	6	44	53
		5.7	11.3	83.0	29.8
		33.3	27.3	29.9	
		1.7	3.4	24.7	
2.00		3	7	43	53
		5.7	13.2	81.1	29.8
		33.3	31.8	29.3	
		1.7	3.9	24.2	
3.00		3	9	60	72
		4.2	12.5	83.3	40.4
		33.3	40.9	40.8	
		1.7	5.1	33.7	
Column Total		9 5.1	22 12.4	147 82.6	178 100.0

Chi-Square	Value	DF	Significance
Pearson	.28710	4	.99063
Likelihood Ratio	.29221	4	.99031
Mantel-Haenszel test for linear association	.04734	1	.82775

Minimum Expected Frequency - 2.680
Cells with Expected Frequency < 5 - 3 OF 9 (33.3%)

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	.01635	.07406	.21700	.82846 *4
Spearman Correlation	.00928	.07401	.12317	.90212 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 2

RELATED2 by CERT certificate in cad

RELATED2	Count Row Pct Col Pct Tot Pct	CERT			Row Total
		not a ason	re minor ason	re major ason	
		1	2	3	
1.00		17	11	26	54
		31.5	20.4	48.1	30.2
		23.3	32.4	36.1	
		9.5	6.1	14.5	
2.00		24	9	21	54
		44.4	16.7	38.9	30.2
		32.9	26.5	29.2	
		13.4	5.0	11.7	
3.00		32	14	25	71
		45.1	19.7	35.2	39.7
		43.8	41.2	34.7	
		17.9	7.8	14.0	
Column Total		73 40.8	34 19.0	72 40.2	179 100.0

Chi-Square	Value	DF	Significance
Pearson	3.18104	4	.52800
Likelihood Ratio	3.23854	4	.51873
Mantel-Haenszel test for linear association	2.51694	1	.11263

Minimum Expected Frequency - 10.257

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	-.11891	.07341	-1.59333	.11287 *4
Spearman Correlation	-.11700	.07352	-1.56728	.11883 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 1

RELATED2 by RAISE improve chances for raise or promotion

RELATED2	Count Row Pct Col Pct Tot Pct	RAISE			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1.00		29	12	13	54
		53.7	22.2	24.1	30.2
		46.8	22.6	20.3	
		16.2	6.7	7.3	
2.00		15	21	17	53
		28.3	39.6	32.1	29.6
		24.2	39.6	26.6	
		8.4	11.7	9.5	
3.00		18	20	34	72
		25.0	27.8	47.2	40.2
		29.0	37.7	53.1	
		10.1	11.2	19.0	
Column Total		62 34.6	53 29.6	64 35.8	179 100.0

Chi-Square	Value	DF	Significance
Pearson	15.99335	4	.00303
Likelihood Ratio	15.37583	4	.00398
Mantel-Haenszel test for linear association	11.50439	1	.00069
Minimum Expected Frequency -	15.693		

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	.25423	.07326	3.49717	.00059 *4
Spearman Correlation	.25212	.07333	3.46621	.00066 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 1

RELATED2 by REQUIRE employer request

RELATED2	Count Row Pct Col Pct Tot Pct	REQUIRE			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1.00	40 74.1 34.2 22.3	13 24.1 26.5 7.3	1 1.9 7.7 .6	54 30.2	
2.00	33 62.3 28.2 18.4	16 30.2 32.7 8.9	4 7.5 30.8 2.2	53 29.6	
3.00	44 61.1 37.6 24.6	20 27.8 40.8 11.2	8 11.1 61.5 4.5	72 40.2	
Column Total	117 65.4	49 27.4	13 7.3	179 100.0	

Chi-Square	Value	DF	Significance
Pearson	4.92746	4	.29482
Likelihood Ratio	5.63798	4	.22786
Mantel-Haenszel test for linear association	3.73117	1	.05341
Minimum Expected Frequency -	3.849		
Cells with Expected Frequency < 5 -	2 OF	9 (22.2%)	

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	.14478	.06849	1.94670	.05315 *4
Spearman Correlation	.12516	.07186	1.67829	.09506 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 1

RELATED2 by SKILLS improve skills for present job

SKILLS

RELATED2	Count	SKILLS			Row Total
	Row Pct Col Pct Tot Pct	not a re ason	minor re ason	major re ason	
		1	2	3	
1.00	34 63.0 51.5 19.0	13 24.1 26.0 7.3	7 13.0 11.1 3.9	54 30.2	
2.00	10 18.9 15.2 5.6	19 35.8 38.0 10.6	24 45.3 38.1 13.4	53 29.6	
3.00	22 30.6 33.3 12.3	18 25.0 36.0 10.1	32 44.4 50.8 17.9	72 40.2	
Column Total	66 36.9	50 27.9	63 35.2	179 100.0	

Chi-Square	Value	DF	Significance
Pearson	27.97284	4	.00001
Likelihood Ratio	29.38853	4	.00001
Mantel-Haenszel test for linear association	15.46571	1	.00008

Minimum Expected Frequency - 14.804

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	.29476	.07015	4.10392	.00006 *4
Spearman Correlation	.28437	.07220	3.94618	.00011 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 1

RELATED2 by TRANSFER courses needed to transfer

RELATED2	TRANSFER			Row Total	
	Count	not a re	minor re		major re
	Row Pct	ason	ason		ason
	Col Pct	1	2		3
1.00	31	9	14	54	
	57.4	16.7	25.9	30.0	
	32.0	20.5	35.9		
	17.2	5.0	7.8		
2.00	30	14	10	54	
	55.6	25.9	18.5	30.0	
	30.9	31.8	25.6		
	16.7	7.8	5.6		
3.00	36	21	15	72	
	50.0	29.2	20.8	40.0	
	37.1	47.7	38.5		
	20.0	11.7	8.3		
Column Total	97	44	39	180	
	53.9	24.4	21.7	100.0	

Chi-Square	Value	DF	Significance
Pearson	3.11784	4	.53830
Likelihood Ratio	3.23638	4	.51907
Mantel-Haenszel test for linear association	.03980	1	.84186

Minimum Expected Frequency - 11.700

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	.01491	.07629	.19898	.84251 *4
Spearman Correlation	.03135	.07593	.41844	.67613 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 0

RELATED2 by TWOPLUS two plus two prog. in engineering

TWOPLUS

Page 1 of 1

RELATED2	Count	not a re minor re major re			Row Total
	Row Pct Col Pct Tot Pct	ason 1	ason 2	ason 3	
1.00	31	13	10	54	
	57.4	24.1	18.5	30.3	
	31.6	27.1	31.3		
	17.4	7.3	5.6		
2.00	30	11	12	53	
	56.6	20.8	22.6	29.8	
	30.6	22.9	37.5		
	16.9	6.2	6.7		
3.00	37	24	10	71	
	52.1	33.8	14.1	39.9	
	37.8	50.0	31.3		
	20.8	13.5	5.6		
Column Total	98	48	32	178	
	55.1	27.0	18.0	100.0	

Chi-Square	Value	DF	Significance
Pearson	3.59406	4	.46372
Likelihood Ratio	3.57426	4	.46668
Mantel-Haenszel test for linear association	.00125	1	.97178
Minimum Expected Frequency -	9.528		

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	.00266	.07323	.03527	.97190 *4
Spearman Correlation	.01749	.07394	.23203	.81679 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 2

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by CERT certificate in cad

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EMPLOYED	Count Row Pct Col Pct Tot Pct	CERT			Row Total
		not a re ason	minor re ason	major re ason	
		1	2	3	
1 full-time employ	63 39.4 72.4 30.0	31 19.4 79.5 14.8	66 41.3 78.6 31.4	160 76.2	
2 part-time employ	10 52.6 11.5 4.8	3 15.8 7.7 1.4	6 31.6 7.1 2.9	19 9.0	
3 unemployed, acti	13 56.5 14.9 6.2	3 13.0 7.7 1.4	7 30.4 8.3 3.3	23 11.0	
4 unemployed, not	1 12.5 1.1 .5	2 25.0 5.1 1.0	5 62.5 6.0 2.4	8 3.8	
Column Total	87 41.4	39 18.6	84 40.0	210 100.0	

Chi-Square	Value	DF	Significance
Pearson	6.24840	6	.39595
Likelihood Ratio	6.64518	6	.35491
Mantel-Haenszel test for linear association	.06265	1	.80236

Minimum Expected Frequency - 1.486
 Cells with Expected Frequency < 5 - 5 OF 12 (41.7%)

Number of Missing Observations: 0

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by CAREER Career in cad

Page 1 of 1

EMPLOYED	Count Row Pct Col Pct Tot Pct	CAREER			Row Total
		not a re ason	minor re ason	major re ason	
		1	2	3	
1 full-time employ	1 9 5.7 90.0 4.3	20 12.7 83.3 9.6	129 81.6 74.1 62.0	158 76.0	
2 part-time employ	2	2 10.5 8.3 1.0	17 89.5 9.8 8.2	19 9.1	
3 unemployed, acti	3 1 4.3 10.0 .5	2 8.7 8.3 1.0	20 87.0 11.5 9.6	23 11.1	
4 unemployed, not	4		8 100.0 4.6 3.8	8 3.8	
Column Total	10 4.8	24 11.5	174 83.7	208 100.0	

Chi-Square	Value	DF	Significance
Pearson	3.27900	6	.77310
Likelihood Ratio	5.47952	6	.48394
Mantel-Haenszel test for linear association	2.03488	1	.15373

Minimum Expected Frequency - .385
 Cells with Expected Frequency < 5 - 6 OF 12 (50.0%)

Number of Missing Observations: 2

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by RAISE improve chances for raise or promotion

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EMPLOYED	Count Row Pct Col Pct Tot Pct	RAISE			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1 full-time employ	47 29.6 58.0 22.6	49 30.8 86.0 23.6	63 39.6 90.0 30.3	159 76.4	
2 part-time employ	15 78.9 18.5 7.2	4 21.1 7.0 1.9		19 9.1	
3 unemployed, acti	15 68.2 18.5 7.2	2 9.1 3.5 1.0	5 22.7 7.1 2.4	22 10.6	
4 unemployed, not	4 50.0 4.9 1.9	2 25.0 3.5 1.0	2 25.0 2.9 1.0	8 3.8	
Column Total	81 38.9	57 27.4	70 33.7	208 100.0	

Chi-Square	Value	DF	Significance
Pearson	29.18480	6	.00006
Likelihood Ratio	34.16386	6	.00001
Mantel-Haenszel test for linear association	12.78491	1	.00035

Minimum Expected Frequency - 2.192
 Cells with Expected Frequency < 5 - 3 OF 12 (25.0%)

Number of Missing Observations: 2

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by REQUIRE employer request

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EMPLOYED	Count Row Pct Col Pct Tot Pct	REQUIRE			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1 full-time employ	99 62.3 70.7 47.4	47 29.6 90.4 22.5	13 8.2 76.5 6.2	159 76.1	
2 part-time employ	17 89.5 12.1 8.1	2 10.5 3.8 1.0		19 9.1	
3 unemployed, acti	19 82.6 13.6 9.1	1 4.3 1.9 .5	3 13.0 17.6 1.4	23 11.0	
4 unemployed, not	5 62.5 3.6 2.4	2 25.0 3.8 1.0	1 12.5 5.9 .5	8 3.8	
Column Total	140 67.0	52 24.9	17 8.1	209 100.0	

Chi-Square	Value	DF	Significance
Pearson	12.11051	6	.05955
Likelihood Ratio	15.75868	6	.01511
Mantel-Haenszel test for linear association	1.25944	1	.26176

Minimum Expected Frequency - .651
 Cells with Expected Frequency < 5 - 5 OF 12 (41.7%)

Number of Missing Observations: 1

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by SKILLS improve skills for present job

		SKILLS			Page 1 of 1
EMPLOYED	Count	not a re	minor re	major re	Row Total
	Row Pct Col Pct Tot Pct	ason 1	ason 2	ason 3	
1	159	52	46	61	159
full-time employ	76.1	32.7	28.9	38.4	76.1
		59.1	82.1	93.8	
		24.9	22.0	29.2	
2	19	14	4	1	19
part-time employ	9.1	73.7	21.1	5.3	9.1
		15.9	7.1	1.5	
		6.7	1.9	.5	
3	23	16	5	2	23
unemployed, acti	11.0	69.6	21.7	8.7	11.0
		18.2	8.9	3.1	
		7.7	2.4	1.0	
4	8	6	1	1	8
unemployed, not	3.8	75.0	12.5	12.5	3.8
		6.8	1.8	1.5	
		2.9	.5	.5	
Column Total	209	88	56	65	209
	100.0	42.1	26.8	31.1	100.0

Chi-Square	Value	DF	Significance
Pearson	26.72473	6	.00016
Likelihood Ratio	29.03653	6	.00006
Mantel-Haenszel test for linear association	20.33947	1	.00001

Minimum Expected Frequency - 2.144
 Cells with Expected Frequency < 5 - 3 OF 12 (25.0%)

Number of Missing Observations: 1

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by TRANSFER courses needed to transfer

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EMPLOYED	Count Row Pct Col Pct Tot Pct	TRANSFER			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1 full-time employ	82 51.3 72.6 39.0	44 27.5 86.3 21.0	34 21.3 73.9 16.2	160 76.2	
2 part-time employ	14 73.7 12.4 6.7		5 26.3 10.9 2.4	19 9.0	
3 unemployed, acti	13 56.5 11.5 6.2	5 21.7 9.8 2.4	5 21.7 10.9 2.4	23 11.0	
4 unemployed, not	4 50.0 3.5 1.9	2 25.0 3.9 1.0	2 25.0 4.3 1.0	8 3.8	
Column Total	113 53.8	51 24.3	46 21.9	210 100.0	

Chi-Square	Value	DF	Significance
Pearson	7.23598	6	.29957
Likelihood Ratio	11.67031	6	.06974
Mantel-Haenszel test for linear association	.07092	1	.79000

Minimum Expected Frequency - 1.752
 Cells with Expected Frequency < 5 - 5 OF 12 (41.7%)

Number of Missing Observations: 0

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by TWOPLUS two plus two prog. in engineering

TWOPLUS Page 1 of 1

EMPLOYED	Count Row Pct Col Pct Tot Pct	not a re minor re major re			Row Total
		ason 1	ason 2	ason 3	
1 full-time employ	86	44	28	158	
	54.4	27.8	17.7	76.3	
	73.5	86.3	71.8		
	41.5	21.3	13.5		
2 part-time employ	12	3	4	19	
	63.2	15.8	21.1	9.2	
	10.3	5.9	10.3		
	5.8	1.4	1.9		
3 unemployed, acti	16	2	5	23	
	69.6	8.7	21.7	11.1	
	13.7	3.9	12.8		
	7.7	1.0	2.4		
4 unemployed, not	3	2	2	7	
	42.9	28.6	28.6	3.4	
	2.6	3.9	5.1		
	1.4	1.0	1.0		
Column Total	117	51	39	207	
	56.5	24.6	18.8	100.0	

Chi-Square	Value	DF	Significance
Pearson	5.48384	6	.48341
Likelihood Ratio	6.25499	6	.39524
Mantel-Haenszel test for linear association	.00415	1	.94861

Minimum Expected Frequency - 1.319
 Cells with Expected Frequency < 5 - 6 OF 12 (50.0%)

Number of Missing Observations: 3

File: SPSS/PC+ System File Written by Data Entry II

EMPLOYED employment status by ASSOC associate degree

Page 1 of 1

EMPLOYED	Count Row Pct Col Pct Tot Pct	ASSOC			Row Total
		not a re ason 1	minor re ason 2	major re ason 3	
1 full-time employ	22 13.8 88.0 10.5	20 12.5 71.4 9.5	118 73.8 75.2 56.2	160 76.2	
2 part-time employ		2 10.5 7.1 1.0	17 89.5 10.8 8.1	19 9.0	
3 unemployed, acti	1 4.3 4.0 .5	6 26.1 21.4 2.9	16 69.6 10.2 7.6	23 11.0	
4 unemployed, not	2 25.0 8.0 1.0		6 75.0 3.8 2.9	8 3.8	
Column Total	25 11.9	28 13.3	157 74.8	210 100.0	

Chi-Square	Value	DF	Significance
Pearson	9.69840	6	.13794
Likelihood Ratio	12.44486	6	.05275
Mantel-Haenszel test for linear association	.13577	1	.71252

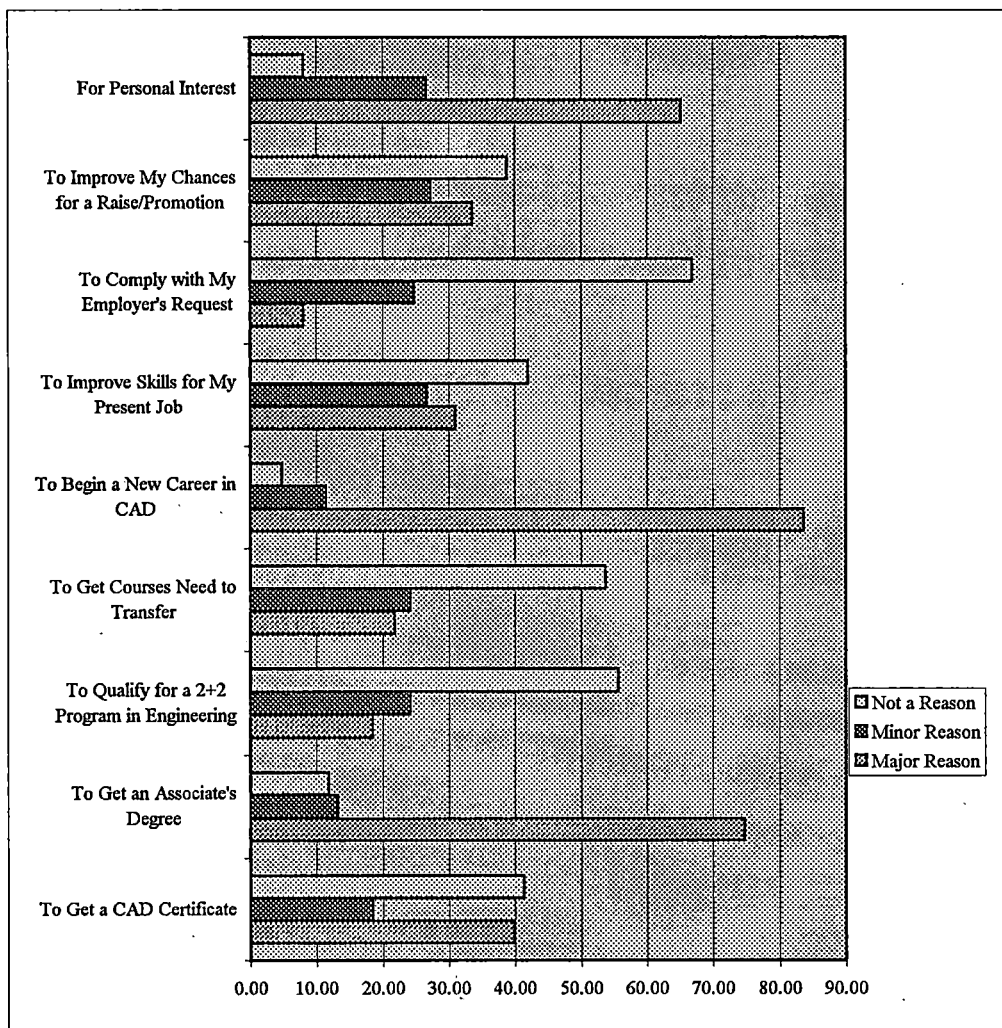
Minimum Expected Frequency - .952
 Cells with Expected Frequency < 5 - 6 OF 12 (50.0%)

Number of Missing Observations: 0

Table 11

Why Did You Enroll in CAD Courses at OCC?

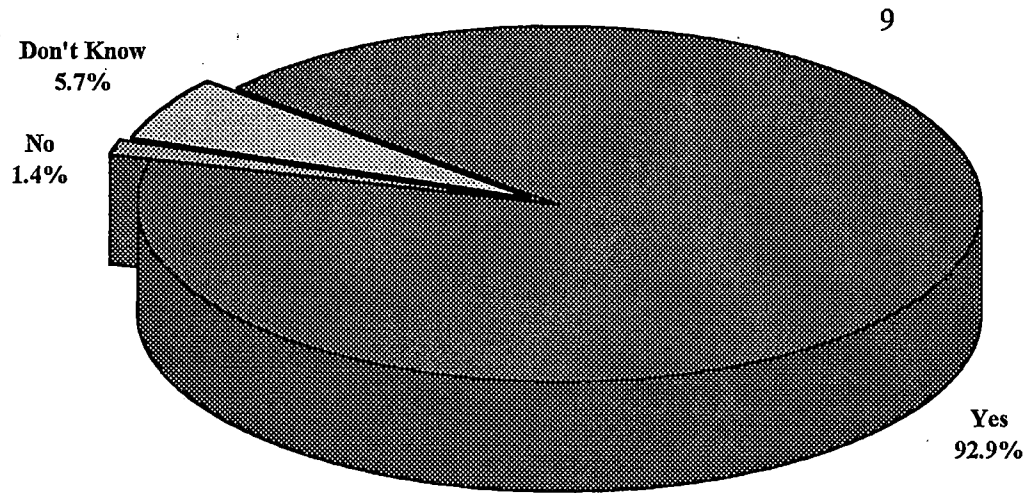
<i>Student Responses</i>	<i>Major Reason</i>	<i>Minor Reason</i>	<i>Not a Reason</i>
To Get a CAD Certificate	40.00	18.60	41.40
To Get an Associate's Degree	74.80	13.30	11.90
To Qualify for a 2+2 Program	18.60	24.30	55.70
To Get Courses Need to Transf	21.90	24.30	53.80
To Begin a New Career in CA	83.70	11.50	4.80
To Improve Skills for My Prese	31.10	26.80	42.10
To Comply with My Employer'	8.10	24.90	67.00
To Improve My Chances for a	33.70	27.40	38.90
For Personal Interest	65.20	26.70	8.10



Is a CAD option in Computer Aided Engineering a Good Idea?

<i>Student Response</i>	<i>Number</i>	<i>Percent</i>
Yes	195	92.9
No	3	1.4
Don't Know	12	5.7
Total	210	100.0

Figure 15



Aero Detroit, Inc.
 Dave Shelbo
 Director of Engineering
 1100 E. Mandoline
 Madison Heights, MI 48071
 583-4900
 Fax: 583-4733

Automotive Products, Inc.
 Al Stone
 Total Quality Management
 Facilitator
 Automotive Products (USA) Inc.
 4000 Pinnacle Court
 Auburn Hills, MI 48326-1754
 377-6999
 Fax: 377-4936

Brothers Industries
 Jim Carr
 Chief Engineer
 32471 Industrial Drive
 Madison Heights, MI 48071
 588-8090
 Fax: 588-8030

Cargill Detroit Corporation
 Ken Allison
 Vice President Engineering
 1250 Crooks Road
 Clawson, MI 48017
 Empl-200
 435-3500

Chrysler Center/OCC
 Steven Ward
 Chrysler Corporation
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 800 Chrysler Drive East
 Auburn Hills, MI 48236-2737
 576-5894

CMI Inc.
 Peter Curcio
 Director Human Resources
 CMI-Southfield, Inc.
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 Southfield, MI 48034

CMI Inc.
 Jo Anne Sturdevant
 Human Resources
 CMI - Tech Center, Inc.
 1600 West 8 Mile Road
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 CIM/CAE Systems Leader
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 Senior Engineer
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Fibercraft Descon
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Ford Motor Company
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 323-7142
 Fax: 854-2269

Lynn Hawkins
 Ford Motor Design Institute
 Fairlane Plaza South
 330 Town Center Drive, Suite 700A
 Dearborn, MI 48126
 248-4463
 Fax: 322-7049

Handwritten: told TP. Krapfing
 John Vivier
 Senior Product Designer
 Ford Motor Company
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 21500 Oakwood Blvd.
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 322-7468
 Fax: 854-2269

Forming Technology (MASCO)
 Erhard Ambuhl
 Vice President, Engineering
 Forming Technology Division
 2727 W. 14 Mile Road
 Royal Oak, MI 48073
 549-2700

General Motors
 Henry Sommerstorfer
 Technical Training
 Administrator
 GM Truck and Bus
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 32505 Industrial Drive
 Madison Heights, MI 48071-5004
 597-3959
 Fax: 597-7608

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 Design Engineer
 GM Design Staff
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 Warren, MI 48090-9030
 986-4675

Leon Streit or Ken Rogus
 Design Staff
 Cadillac Luxury Car Division
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 Flint, MI 48557
 Mail Drop A42
 236-1276/236-2837

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David Tait
1124 Centre Road
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373-4400
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Masotech Engineering
Clif Tally
Senior Design Manager
14661 Rotunda Drive
Dearborn, MI 48126
248-2896

Modern Engineering
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2800 Dequindre Road
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Patents & Communication
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Saturn Corporation
Karl Anderson
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Barbara Stone Reetz
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Troy, MI 48007-7025
528-4040
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UAW
Roy Milioto
Chrysler - UAW Local 212
Chairman Engineer Unit
2255 Hartford
Waterford, MI 48327
370-8545

Mike Van Acker
UAW Local 412
2005 Tobsal Court
Warren, MI 48091-1373
567-3462

578-3006

Sample Survey Questions

	Yes	No
Do you know what the identity standards are?	_____	_____
Do you follow the standards?	_____	_____
If not, why not? _____		
Are there areas of the Identity Standards that are confusing or need more clarification? _____		
If yes, what areas? _____ Section I _____ Section II _____ Section III _____ other or more detail _____		
Do you use Graphics Services?	_____	_____
If yes, how often? _____/week _____/month _____/year		
What services of the Graphics Dept. do you use?		
<input type="checkbox"/> brochures <input type="checkbox"/> flyers/posters <input type="checkbox"/> books/manuals <input type="checkbox"/> forms <input type="checkbox"/> certificates <input type="checkbox"/> class schedule info <input type="checkbox"/> invitations/postcards <input type="checkbox"/> other		
Are you aware that the Graphics Dept. also does:		
<input type="checkbox"/> photography <input type="checkbox"/> slide presentations <input type="checkbox"/> exhibit/displays <input type="checkbox"/> full color design/printing <input type="checkbox"/> design/marketing consultation		
If you do not use the Graphic Dept. services, is it due to one of the following:		
<input type="checkbox"/> unaware of services <input type="checkbox"/> cost/budget <input type="checkbox"/> time factor <input type="checkbox"/> distance <input type="checkbox"/> delivery <input type="checkbox"/> other (explain) _____		

TIMELINE FOR ACCOMPLISHING TASKS:

Activities	September	October	November	December
Develop Survey	X			
Administer Survey	X			
Conduct Focus Group Interviews		X		
Conduct Student Interviews		X		
Analyze Results			X	
Prepare Recommendations				X

DEPARTMENT CHAIR MEETING SCHEDULES:

Auburn Hills

10 persons
Once per semester

Highland Lakes

8 persons
Bimonthly as needed

Orchard Ridge

14 persons
Monthly

Southfield/Royal Oak

8 persons
Bi-weekly

RECRUITMENT/ENROLLMENT STAFF:

9-10 persons
Meet monthly

EVENTS PLANNERS:

4-6 per campus
No regular meetings

STUDENT ACTIVITIES:

4 persons
Meet monthly

ISSUES TO BE ADDRESSED:

Survey

Do people know about the identity standards?
Do they follow the standards?
If not, why not?
Do they use Graphics Services?
How often?
What services do they use?
If none, why not?

Focus Groups

Who follows identity standards?
If not, why not?
What can the College do to encourage their use?
Do they use Graphics Services?
How often?
For what?
If not, why not?
What can Graphics do to be more useful?

Group Interviews

How do we make sure students know about identity standards?
Do they know about them now?
Do they know who is responsible for compliance with standards?
Do they adhere to standards?
If not, why not?
How much do they use the College's Graphics Services?
What other graphics services do they use?
Why?

Reasons for Withdrawal by Gender (Calendar Year 1993)

	Students gender			
	Female		Male	
	Count	Count Percent	Count	Count Percent
Transportation problems				
No	6959	95.6%	5598	94.7%
Yes	318	4.4%	315	5.3%
Total	7277	100.0%	5913	100.0%
Conflict with work				
No	5012	68.9%	3315	56.1%
Yes	2265	31.1%	2598	43.9%
Total	7277	100.0%	5913	100.0%
Moving out of the area				
No	7133	98.0%	5775	97.7%
Yes	144	2.0%	138	2.3%
Total	7277	100.0%	5913	100.0%
Financial reasons				
No	6946	95.5%	5634	95.3%
Yes	331	4.5%	279	4.7%
Total	7277	100.0%	5913	100.0%
Conflict with instructor				
No	6873	94.4%	5659	95.7%
Yes	404	5.6%	254	4.3%
Total	7277	100.0%	5913	100.0%

Reasons for Withdrawal by Gender (Calendar Year 1993)

	Students gender			
	Female		Male	
	Count	Count Percent	Count	Count Percent
Medical reasons				
No	6575	90.4%	5624	95.1%
Yes	702	9.6%	289	4.9%
Total	7277	100.0%	5913	100.0%
Child care problems				
No	6945	95.4%	5845	98.8%
Yes	332	4.6%	68	1.2%
Total	7277	100.0%	5913	100.0%
Registration error				
No	7134	98.0%	5805	98.2%
Yes	143	2.0%	108	1.8%
Total	7277	100.0%	5913	100.0%
Course too difficult				
No	6079	83.5%	5110	86.4%
Yes	1198	16.5%	803	13.6%
Total	7277	100.0%	5913	100.0%
Course too easy				
No	7199	98.9%	5844	98.8%
Yes	78	1.1%	69	1.2%
Total	7277	100.0%	5913	100.0%

Reasons for Withdrawal by Gender (Calendar Year 1993)

	Students gender			
	Female		Male	
	Count	Count Percent	Count	Count Percent
Course scheduling conflict				
No	6787	93.3%	5548	93.8%
Yes	490	6.7%	365	6.2%
Total	7277	100.0%	5913	100.0%
Personal reasons				
No	5198	71.4%	4341	73.4%
Yes	2079	28.6%	1572	26.6%
Total	7277	100.0%	5913	100.0%
Course was not what I expected				
No	6360	87.4%	5246	88.7%
Yes	917	12.6%	667	11.3%
Total	7277	100.0%	5913	100.0%
Other reason				
No	6398	87.9%	5367	90.8%
Yes	879	12.1%	546	9.2%
Total	7277	100.0%	5913	100.0%

Reasons for Withdrawal by Race (Calendar Year 1993)

	Students race/ethnicity			
	Minority		Non-Minority	
	Count	Count Percent	Count	Count Percent
Transportation problems				
No	1670	89.9%	8836	96.1%
Yes	188	10.1%	357	3.9%
Total	1858	100.0%	9193	100.0%
Conflict with work				
No	1272	68.5%	5643	61.4%
Yes	586	31.5%	3550	38.6%
Total	1858	100.0%	9193	100.0%
Moving out of the area				
No	1830	98.5%	8987	97.8%
Yes	28	1.5%	206	2.2%
Total	1858	100.0%	9193	100.0%
Financial reasons				
No	1770	95.3%	8768	95.4%
Yes	88	4.7%	425	4.6%
Total	1858	100.0%	9193	100.0%
Conflict with instructor				
No	1786	96.1%	8714	94.8%
Yes	72	3.9%	479	5.2%
Total	1858	100.0%	9193	100.0%

Reasons for Withdrawal by Race (Calendar Year 1993)

	Students race/ethnicity			
	Minority		Non-Minority	
	Count	Count Percent	Count	Count Percent
Medical reasons				
No	1692	91.1%	8506	92.5%
Yes	166	8.9%	687	7.5%
Total	1858	100.0%	9193	100.0%
Child care problems				
No	1749	94.1%	8943	97.3%
Yes	109	5.9%	250	2.7%
Total	1858	100.0%	9193	100.0%
Registration error				
No	1811	97.5%	9041	98.3%
Yes	47	2.5%	152	1.7%
Total	1858	100.0%	9193	100.0%
Course too difficult				
No	1557	83.8%	7843	85.3%
Yes	301	16.2%	1350	14.7%
Total	1858	100.0%	9193	100.0%
Course too easy				
No	1843	99.2%	9090	98.9%
Yes	15	.8%	103	1.1%
Total	1858	100.0%	9193	100.0%

Reasons for Withdrawal by Race (Calendar Year 1993)

	Students race/ethnicity			
	Minority		Non-Minority	
	Count	Count Percent	Count	Count Percent
Course scheduling conflict				
No	1710	92.0%	8625	93.8%
Yes	148	8.0%	568	6.2%
Total	1858	100.0%	9193	100.0%
Personal reasons				
No	1354	72.9%	6617	72.0%
Yes	504	27.1%	2576	28.0%
Total	1858	100.0%	9193	100.0%
Course was not what I expected				
No	1668	89.8%	8086	88.0%
Yes	190	10.2%	1107	12.0%
Total	1858	100.0%	9193	100.0%
Other reason				
No	1689	90.9%	8173	88.9%
Yes	169	9.1%	1020	11.1%
Total	1858	100.0%	9193	100.0%

Reasons for Withdrawal by Age (Calendar Year 1993)

	AGE					
	25 and under		26 to 35		36 and older	
	Count	Count Percent	Count	Count Percent	Count	Count Percent
Transportation problems						
No	7735	94.3%	3019	96.0%	1790	97.8
Yes	465	5.7%	126	4.0%	40	2.2
Total	8200	100.0%	3145	100.0%	1830	100.0
Conflict with work						
No	5272	64.3%	1879	59.7%	1165	63.7
Yes	2928	35.7%	1266	40.3%	665	36.3
Total	8200	100.0%	3145	100.0%	1830	100.0
Moving out of the area						
No	8022	97.8%	3072	97.7%	1802	98.5
Yes	178	2.2%	73	2.3%	28	1.5
Total	8200	100.0%	3145	100.0%	1830	100.0
Financial reasons						
No	7770	94.8%	3019	96.0%	1780	97.3
Yes	430	5.2%	126	4.0%	50	2.7
Total	8200	100.0%	3145	100.0%	1830	100.0
Conflict with instructor						
No	7756	94.6%	3005	95.5%	1758	96.1
Yes	444	5.4%	140	4.5%	72	3.9
Total	8200	100.0%	3145	100.0%	1830	100.0

Reasons for Withdrawal by Age (Calendar Year 1993)

	AGE					
	25 and under		26 to 35		36 and older	
	Count	Count Percent	Count	Count Percent	Count	Count Percent
Medical reasons						
No	7747	94.5%	2860	90.9%	1582	86.4
Yes	453	5.5%	285	9.1%	248	13.6
Total	8200	100.0%	3145	100.0%	1830	100.0
Child care problems						
No	8074	98.5%	2957	94.0%	1745	95.4
Yes	126	1.5%	188	6.0%	85	4.6
Total	8200	100.0%	3145	100.0%	1830	100.0
Registration error						
No	8049	98.2%	3082	98.0%	1793	98.0
Yes	151	1.8%	63	2.0%	37	2.0
Total	8200	100.0%	3145	100.0%	1830	100.0
Course too difficult						
No	6774	82.6%	2774	88.2%	1626	88.9
Yes	1426	17.4%	371	11.8%	204	11.1
Total	8200	100.0%	3145	100.0%	1830	100.0
Course too easy						
No	8090	98.7%	3117	99.1%	1821	99.5
Yes	110	1.3%	28	.9%	9	.5
Total	8200	100.0%	3145	100.0%	1830	100.0

Reasons for Withdrawal by Age (Calendar Year 1993)

	AGE					
	25 and under		26 to 35		36 and older	
	Count	Count Percent	Count	Count Percent	Count	Count Percent
Course scheduling conflict						
No	7657	93.4%	2943	93.6%	1720	94.0
Yes	543	6.6%	202	6.4%	110	6.0
Total	8200	100.0%	3145	100.0%	1830	100.0
Personal reasons						
No	5811	70.9%	2389	76.0%	1329	72.6
Yes	2389	29.1%	756	24.0%	501	27.4
Total	8200	100.0%	3145	100.0%	1830	100.0
Course was not what I expected						
No	7073	86.3%	2863	91.0%	1655	90.4
Yes	1127	13.7%	282	9.0%	175	9.6
Total	8200	100.0%	3145	100.0%	1830	100.0
Other reason						
No	7400	90.2%	2760	87.8%	1591	86.9
Yes	800	9.8%	385	12.2%	239	13.1
Total	8200	100.0%	3145	100.0%	1830	100.0

Reasons for Withdrawal Fall 1993 Term

	Month of withdrawal		
	September	October	November
	Count Percent	Count Percent	Count Percent
Transportation problems			
No	95.9%	95.5%	95.7%
Yes	4.1%	4.5%	4.3%
Total	100.0%	100.0%	100.0%
Conflict with work			
No	63.6%	60.4%	64.0%
Yes	36.4%	39.6%	36.0%
Total	100.0%	100.0%	100.0%
Moving out of the area			
No	98.1%	97.5%	97.5%
Yes	1.9%	2.5%	2.5%
Total	100.0%	100.0%	100.0%
Financial reasons			
No	94.8%	95.1%	96.3%
Yes	5.2%	4.9%	3.7%
Total	100.0%	100.0%	100.0%
Conflict with instructor			
No	96.6%	95.1%	91.8%
Yes	3.4%	4.9%	8.2%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Fall 1993 Term

	Month of withdrawal		
	September	October	November
	Count Percent	Count Percent	Count Percent
Medical reasons			
No	93.8%	91.9%	92.5%
Yes	6.3%	8.1%	7.5%
Total	100.0%	100.0%	100.0%
Child care problems			
No	96.7%	96.8%	98.1%
Yes	3.3%	3.2%	1.9%
Total	100.0%	100.0%	100.0%
Registration error			
No	97.6%	99.2%	98.9%
Yes	2.4%	.8%	1.1%
Total	100.0%	100.0%	100.0%
Course too difficult			
No	88.5%	81.7%	77.7%
Yes	11.5%	18.3%	22.3%
Total	100.0%	100.0%	100.0%
Course too easy			
No	98.4%	98.1%	99.2%
Yes	1.6%	1.9%	.8%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Fall 1993 Term

	Month of withdrawal		
	September	October	November
	Count Percent	Count Percent	Count Percent
Course scheduling conflict			
No	91.8%	94.6%	95.4%
Yes	8.2%	5.4%	4.6%
Total	100.0%	100.0%	100.0%
Personal reasons			
No	76.3%	72.5%	67.6%
Yes	23.7%	27.5%	32.4%
Total	100.0%	100.0%	100.0%
Course was not what I expected			
No	84.0%	85.8%	86.7%
Yes	16.0%	14.2%	13.3%
Total	100.0%	100.0%	100.0%
Other reason			
No	88.8%	91.5%	91.9%
Yes	11.2%	8.5%	8.1%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Winter 1993 Term

	Month of withdrawal		
	January	February	March
	Count Percent	Count Percent	Count Percent
Transportation problems			
No	95.3%	95.5%	93.9%
Yes	4.7%	4.5%	6.1%
Total	100.0%	100.0%	100.0%
Conflict with work			
No	63.4%	63.7%	63.6%
Yes	36.6%	36.3%	36.4%
Total	100.0%	100.0%	100.0%
Moving out of the area			
No	98.1%	97.5%	98.1%
Yes	1.9%	2.5%	1.9%
Total	100.0%	100.0%	100.0%
Financial reasons			
No	93.9%	95.7%	96.0%
Yes	6.1%	4.3%	4.0%
Total	100.0%	100.0%	100.0%
Conflict with instructor			
No	97.1%	94.0%	94.2%
Yes	2.9%	6.0%	5.8%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Winter 1993 Term

	Month of withdrawal		
	January	February	March
	Count Percent	Count Percent	Count Percent
Medical reasons			
No	94.2%	91.0%	92.1%
Yes	5.8%	9.0%	7.9%
Total	100.0%	100.0%	100.0%
Child care problems			
No	97.3%	96.2%	97.3%
Yes	2.7%	3.8%	2.7%
Total	100.0%	100.0%	100.0%
Registration error			
No	96.7%	98.3%	99.1%
Yes	3.3%	1.7%	.9%
Total	100.0%	100.0%	100.0%
Course too difficult			
No	91.7%	83.5%	81.6%
Yes	8.3%	16.5%	18.4%
Total	100.0%	100.0%	100.0%
Course too easy			
No	98.5%	99.0%	99.3%
Yes	1.5%	1.0%	.7%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Winter 1993 Term

	Month of withdrawal		
	January	February	March
	Count Percent	Count Percent	Count Percent
Course scheduling conflict			
No	90.9%	93.4%	95.3%
Yes	9.1%	6.6%	4.7%
Total	100.0%	100.0%	100.0%
Personal reasons			
No	78.5%	72.2%	67.1%
Yes	21.5%	27.8%	32.9%
Total	100.0%	100.0%	100.0%
Course was not what I expected			
No	89.5%	86.6%	89.0%
Yes	10.5%	13.4%	11.0%
Total	100.0%	100.0%	100.0%
Other reason			
No	85.9%	86.1%	90.6%
Yes	14.1%	13.9%	9.4%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal by Type of Withdrawal (1993)

	Credits after transaction			
	100% Withdrawal		Partial Withdrawal	
	Count	Count Percent	Count	Count Percent
Transportation problems				
No	5225	95.3%	7337	95.1%
Yes	255	4.7%	378	4.9%
Total	5480	100.0%	7715	100.0%
Conflict with work				
No	3213	58.6%	5117	66.3%
Yes	2267	41.4%	2598	33.7%
Total	5480	100.0%	7715	100.0%
Moving out of the area				
No	5257	95.9%	7656	99.2%
Yes	223	4.1%	59	.8%
Total	5480	100.0%	7715	100.0%
Financial reasons				
No	5179	94.5%	7405	96.0%
Yes	301	5.5%	310	4.0%
Total	5480	100.0%	7715	100.0%
Conflict with instructor				
No	5297	96.7%	7240	93.8%
Yes	183	3.3%	475	6.2%
Total	5480	100.0%	7715	100.0%

Reasons for Withdrawal by Type of Withdrawal (1993)

	Credits after transaction			
	100% Withdrawal		Partial Withdrawal	
	Count	Count Percent	Count	Count Percent
Medical reasons				
No	4940	90.1%	7264	94.2%
Yes	540	9.9%	451	5.8%
Total	5480	100.0%	7715	100.0%
Child care problems				
No	5306	96.8%	7489	97.1%
Yes	174	3.2%	226	2.9%
Total	5480	100.0%	7715	100.0%
Registration error				
No	5381	98.2%	7563	98.0%
Yes	99	1.8%	152	2.0%
Total	5480	100.0%	7715	100.0%
Course too difficult				
No	4977	90.8%	6217	80.6%
Yes	503	9.2%	1498	19.4%
Total	5480	100.0%	7715	100.0%
Course too easy				
No	5433	99.1%	7615	98.7%
Yes	47	.9%	100	1.3%
Total	5480	100.0%	7715	100.0%

Reasons for Withdrawal by Type of Withdrawal (1993)

	Credits after transaction			
	100% Withdrawal		Partial Withdrawal	
	Count	Count Percent	Count	Count Percent
Course scheduling conflict				
No	5199	94.9%	7140	92.5%
Yes	281	5.1%	575	7.5%
Total	5480	100.0%	7715	100.0%
Personal reasons				
No	3985	72.7%	5557	72.0%
Yes	1495	27.3%	2158	28.0%
Total	5480	100.0%	7715	100.0%
Course was not what I expected				
No	5011	91.4%	6599	85.5%
Yes	469	8.6%	1116	14.5%
Total	5480	100.0%	7715	100.0%
Other reason				
No	4876	89.0%	6893	89.3%
Yes	604	11.0%	822	10.7%
Total	5480	100.0%	7715	100.0%

Withdrawal Due to Transportation by Campus (1993)

	Home campus						
	Auburn Hills		Highland Lakes		Orchard Ridge		Sou
	Count	Count Percent	Count	Count Percent	Count	Count Percent	C
Students race/ethnicity							
White	147	64.2%	70	83.3%	77	73.3%	
African-American	57	24.9%	8	9.5%	16	15.2%	
Other Minority	25	10.9%	6	7.1%	12	11.4%	
Total	229	100.0%	84	100.0%	105	100.0%	

Withdrawal Due to Transportation by Campus (1993)

	Home campus
	Southeast
	Count Percent
Students race/ethnicity	
White	49.6%
African-American	42.5%
Other Minority	7.9%
Total	100.0%

Oakland Community College
Preliminary Analysis of Student Withdrawal Surveys
(Calendar Year 1993)

The Office of Institutional Planning & Analysis analyzed students' responses to the Withdrawal Survey to determine predominant reasons for withdrawal from courses. We separated data into multiple categories (such as gender, ethnicity, time of withdrawal, complete withdrawal and age) to help with the analysis. The following statements represent some of the findings from this analysis.

Overall

Reason for Withdrawal	Number	Percent
Transportation Problems	637	4.8 %
Conflict with Work	4916	36.8 %
Moving from the Area	287	2.2 %
Financial Reasons	621	4.7 %
Conflict with Instructor	665	5.0 %
Medical Reasons	999	7.5 %
Child Care Problems	404	3.0 %
Registration Error	255	1.9 %
Course too Difficult	2023	15.2 %
Course too Easy	150	1.1 %
Course Scheduling Conflict	869	6.5 %
Personal Reasons	3690	27.6 %
Course is not what I Expected	1594	11.9 %
Other	1444	10.4 %

Gender

- The most cited reason for withdrawal for both men (43.9 %) and women (31.1 %) was "conflict with work."
- Women (16.5 %) were more likely than men (11.3%) to indicate that their "course was too difficult."
- Women were more likely to cite "medical reasons" (9.6%), "child care problems" (4.6%), and "conflict with instructor" (5.6%) when compared to men (4.9%, 1.2%, and 4.3%, respectively).
- Both men (26.6%) and women (28.6%) cited "personal reasons" for withdrawal.

Ethnicity

- Minority students (10.1%) were more likely to indicate "problems with transportation" than non-minority students (3.9%).
- Non-minority students (38.6%) were more likely to cite "conflict with work" than minority students (31.5%).
- Minority students were more likely to indicate both "medical reasons" (8.9%) and "child care problems" (5.9%) when compared to non-minority respondents (7.5% and 2.7%, respectively).

Age

- Older students were more likely to cite “medical reasons” (13.6%) and “childcare problems” (4.6%) than younger students (5.5% and 1.5%, respectively).
- Younger students are more likely to withdraw because the “course was too difficult” (17.4%) and to indicate the “course was not what they expected” (13.7%) compared to older students (11.1% and 9.6%, respectively).

Time of Withdrawal

- The responses “course too difficult” (e.g. Fall term 11.5% in September compared to 22.3% in November), “conflict with instructor” (3.4% September, 8.2% November), and “personal reasons” (23.7% September, 32.4% November) were more frequent late in the term than earlier.
- The response “conflict with work” remained constant through the term (36.4% September, 39.6% October, 36.0% November).

100% Withdrawal

- “Conflict with work” is more likely to result in 100% withdrawal (41.4%) than partial withdrawal (33.7%).
- “Conflict with instructor” and “course too difficult” were more likely to result in partial withdrawal (6.2%, 19.4%) than complete withdrawal (3.3%, 9.2%).

Reasons for Withdrawal by Gender (Calendar Year 1993)

	Students gender			
	Female		Male	
	Count	Count Percent	Count	Count Percent
Transportation problems				
No	6959	95.6%	5598	94.7%
Yes	318	4.4%	315	5.3%
Total	7277	100.0%	5913	100.0%
Conflict with work				
No	5012	68.9%	3315	56.1%
Yes	2265	31.1%	2598	43.9%
Total	7277	100.0%	5913	100.0%
Moving out of the area				
No	7133	98.0%	5775	97.7%
Yes	144	2.0%	138	2.3%
Total	7277	100.0%	5913	100.0%
Financial reasons				
No	6946	95.5%	5634	95.3%
Yes	331	4.5%	279	4.7%
Total	7277	100.0%	5913	100.0%
Conflict with instructor				
No	6873	94.4%	5659	95.7%
Yes	404	5.6%	254	4.3%
Total	7277	100.0%	5913	100.0%

Reasons for Withdrawal by Gender (Calendar Year 1993)

	Students gender			
	Female		Male	
	Count	Count Percent	Count	Count Percent
Medical reasons				
No	6575	90.4%	5624	95.1%
Yes	702	9.6%	289	4.9%
Total	7277	100.0%	5913	100.0%
Child care problems				
No	6945	95.4%	5845	98.8%
Yes	332	4.6%	68	1.2%
Total	7277	100.0%	5913	100.0%
Registration error				
No	7134	98.0%	5805	98.2%
Yes	143	2.0%	108	1.8%
Total	7277	100.0%	5913	100.0%
Course too difficult				
No	6079	83.5%	5110	86.4%
Yes	1198	16.5%	803	13.6%
Total	7277	100.0%	5913	100.0%
Course too easy				
No	7199	98.9%	5844	98.8%
Yes	78	1.1%	69	1.2%
Total	7277	100.0%	5913	100.0%

Reasons for Withdrawal by Gender (Calendar Year 1993)

	Students gender			
	Female		Male	
	Count	Count Percent	Count	Count Percent
Course scheduling conflict				
No	6787	93.3%	5548	93.8%
Yes	490	6.7%	365	6.2%
Total	7277	100.0%	5913	100.0%
Personal reasons				
No	5198	71.4%	4341	73.4%
Yes	2079	28.6%	1572	26.6%
Total	7277	100.0%	5913	100.0%
Course was not what I expected				
No	6360	87.4%	5246	88.7%
Yes	917	12.6%	667	11.3%
Total	7277	100.0%	5913	100.0%
Other reason				
No	6398	87.9%	5367	90.8%
Yes	879	12.1%	546	9.2%
Total	7277	100.0%	5913	100.0%

Reasons for Withdrawal by Race (Calendar Year 1993)

	Students race/ethnicity			
	Minority		Non-Minority	
	Count	Count Percent	Count	Count Percent
Transportation problems				
No	1670	89.9%	8836	96.1%
Yes	188	10.1%	357	3.9%
Total	1858	100.0%	9193	100.0%
Conflict with work				
No	1272	68.5%	5643	61.4%
Yes	586	31.5%	3550	38.6%
Total	1858	100.0%	9193	100.0%
Moving out of the area				
No	1830	98.5%	8987	97.8%
Yes	28	1.5%	206	2.2%
Total	1858	100.0%	9193	100.0%
Financial reasons				
No	1770	95.3%	8768	95.4%
Yes	88	4.7%	425	4.6%
Total	1858	100.0%	9193	100.0%
Conflict with instructor				
No	1786	96.1%	8714	94.8%
Yes	72	3.9%	479	5.2%
Total	1858	100.0%	9193	100.0%

Reasons for Withdrawal by Race (Calendar Year 1993)

	Students race/ethnicity			
	Minority		Non-Minority	
	Count	Count Percent	Count	Count Percent
Medical reasons				
No	1692	91.1%	8506	92.5%
Yes	166	8.9%	687	7.5%
Total	1858	100.0%	9193	100.0%
Child care problems				
No	1749	94.1%	8943	97.3%
Yes	109	5.9%	250	2.7%
Total	1858	100.0%	9193	100.0%
Registration error				
No	1811	97.5%	9041	98.3%
Yes	47	2.5%	152	1.7%
Total	1858	100.0%	9193	100.0%
Course too difficult				
No	1557	83.8%	7843	85.3%
Yes	301	16.2%	1350	14.7%
Total	1858	100.0%	9193	100.0%
Course too easy				
No	1843	99.2%	9090	98.9%
Yes	15	.8%	103	1.1%
Total	1858	100.0%	9193	100.0%

Reasons for Withdrawal by Race (Calendar Year 1993)

	Students race/ethnicity			
	Minority		Non-Minority	
	Count	Count Percent	Count	Count Percent
Course scheduling conflict				
No	1710	92.0%	8625	93.8%
Yes	148	8.0%	568	6.2%
Total	1858	100.0%	9193	100.0%
Personal reasons				
No	1354	72.9%	6617	72.0%
Yes	504	27.1%	2576	28.0%
Total	1858	100.0%	9193	100.0%
Course was not what I expected				
No	1668	89.8%	8086	88.0%
Yes	190	10.2%	1107	12.0%
Total	1858	100.0%	9193	100.0%
Other reason				
No	1689	90.9%	8173	88.9%
Yes	169	9.1%	1020	11.1%
Total	1858	100.0%	9193	100.0%

Reasons for Withdrawal by Age (Calendar Year 1993)

	AGE					
	25 and under		26 to 35		36 and older	
	Count	Count Percent	Count	Count Percent	Count	Count Percen
Transportation problems						
No	7735	94.3%	3019	96.0%	1790	97.8
Yes	465	5.7%	126	4.0%	40	2.2
Total	8200	100.0%	3145	100.0%	1830	100.0
Conflict with work						
No	5272	64.3%	1879	59.7%	1165	63.7
Yes	2928	35.7%	1266	40.3%	665	36.3
Total	8200	100.0%	3145	100.0%	1830	100.0
Moving out of the area						
No	8022	97.8%	3072	97.7%	1802	98.5
Yes	178	2.2%	73	2.3%	28	1.5
Total	8200	100.0%	3145	100.0%	1830	100.0
Financial reasons						
No	7770	94.8%	3019	96.0%	1780	97.3
Yes	430	5.2%	126	4.0%	50	2.7
Total	8200	100.0%	3145	100.0%	1830	100.0
Conflict with instructor						
No	7756	94.6%	3005	95.5%	1758	96.1
Yes	444	5.4%	140	4.5%	72	3.9
Total	8200	100.0%	3145	100.0%	1830	100.0

Reasons for Withdrawal by Age (Calendar Year 1993)

	AGE					
	25 and under		26 to 35		36 and older	
	Count	Count Percent	Count	Count Percent	Count	Count Percent
Medical reasons						
No	7747	94.5%	2860	90.9%	1582	86.4
Yes	453	5.5%	285	9.1%	248	13.6
Total	8200	100.0%	3145	100.0%	1830	100.0
Child care problems						
No	8074	98.5%	2957	94.0%	1745	95.4
Yes	126	1.5%	188	6.0%	85	4.6
Total	8200	100.0%	3145	100.0%	1830	100.0
Registration error						
No	8049	98.2%	3082	98.0%	1793	98.0
Yes	151	1.8%	63	2.0%	37	2.0
Total	8200	100.0%	3145	100.0%	1830	100.0
Course too difficult						
No	6774	82.6%	2774	88.2%	1626	88.9
Yes	1426	17.4%	371	11.8%	204	11.1
Total	8200	100.0%	3145	100.0%	1830	100.0
Course too easy						
No	8090	98.7%	3117	99.1%	1821	99.5
Yes	110	1.3%	28	.9%	9	.5
Total	8200	100.0%	3145	100.0%	1830	100.0

Reasons for Withdrawal by Age (Calendar Year 1993)

	AGE					
	25 and under		26 to 35		36 and older	
	Count	Count Percent	Count	Count Percent	Count	Count Percent
Course scheduling conflict						
No	7657	93.4%	2943	93.6%	1720	94.0
Yes	543	6.6%	202	6.4%	110	6.0
Total	8200	100.0%	3145	100.0%	1830	100.0
Personal reasons						
No	5811	70.9%	2389	76.0%	1329	72.6
Yes	2389	29.1%	756	24.0%	501	27.4
Total	8200	100.0%	3145	100.0%	1830	100.0
Course was not what I expected						
No	7073	86.3%	2863	91.0%	1655	90.4
Yes	1127	13.7%	282	9.0%	175	9.6
Total	8200	100.0%	3145	100.0%	1830	100.0
Other reason						
No	7400	90.2%	2760	87.8%	1591	86.9
Yes	800	9.8%	385	12.2%	239	13.1
Total	8200	100.0%	3145	100.0%	1830	100.0

Reasons for Withdrawal Fall 1993 Term

	Month of withdrawal		
	September	October	November
	Count Percent	Count Percent	Count Percent
Transportation problems			
No	95.9%	95.5%	95.7%
Yes	4.1%	4.5%	4.3%
Total	100.0%	100.0%	100.0%
Conflict with work			
No	63.6%	60.4%	64.0%
Yes	36.4%	39.6%	36.0%
Total	100.0%	100.0%	100.0%
Moving out of the area			
No	98.1%	97.5%	97.5%
Yes	1.9%	2.5%	2.5%
Total	100.0%	100.0%	100.0%
Financial reasons			
No	94.8%	95.1%	96.3%
Yes	5.2%	4.9%	3.7%
Total	100.0%	100.0%	100.0%
Conflict with instructor			
No	96.6%	95.1%	91.8%
Yes	3.4%	4.9%	8.2%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Fall 1993 Term

	Month of withdrawal		
	September	October	November
	Count Percent	Count Percent	Count Percent
Medical reasons			
No	93.8%	91.9%	92.5%
Yes	6.3%	8.1%	7.5%
Total	100.0%	100.0%	100.0%
Child care problems			
No	96.7%	96.8%	98.1%
Yes	3.3%	3.2%	1.9%
Total	100.0%	100.0%	100.0%
Registration error			
No	97.6%	99.2%	98.9%
Yes	2.4%	.8%	1.1%
Total	100.0%	100.0%	100.0%
Course too difficult			
No	88.5%	81.7%	77.7%
Yes	11.5%	18.3%	22.3%
Total	100.0%	100.0%	100.0%
Course too easy			
No	98.4%	98.1%	99.2%
Yes	1.6%	1.9%	.8%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Fall 1993 Term

	Month of withdrawal		
	September	October	November
	Count Percent	Count Percent	Count Percent
Course scheduling conflict			
No	91.8%	94.6%	95.4%
Yes	8.2%	5.4%	4.6%
Total	100.0%	100.0%	100.0%
Personal reasons			
No	76.3%	72.5%	67.6%
Yes	23.7%	27.5%	32.4%
Total	100.0%	100.0%	100.0%
Course was not what I expected			
No	84.0%	85.8%	86.7%
Yes	16.0%	14.2%	13.3%
Total	100.0%	100.0%	100.0%
Other reason			
No	88.8%	91.5%	91.9%
Yes	11.2%	8.5%	8.1%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Winter 1993 Term

	Month of withdrawal		
	January	February	March
	Count Percent	Count Percent	Count Percent
Transportation problems			
No	95.3%	95.5%	93.9%
Yes	4.7%	4.5%	6.1%
Total	100.0%	100.0%	100.0%
Conflict with work			
No	63.4%	63.7%	63.6%
Yes	36.6%	36.3%	36.4%
Total	100.0%	100.0%	100.0%
Moving out of the area			
No	98.1%	97.5%	98.1%
Yes	1.9%	2.5%	1.9%
Total	100.0%	100.0%	100.0%
Financial reasons			
No	93.9%	95.7%	96.0%
Yes	6.1%	4.3%	4.0%
Total	100.0%	100.0%	100.0%
Conflict with instructor			
No	97.1%	94.0%	94.2%
Yes	2.9%	6.0%	5.8%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Winter 1993 Term

	Month of withdrawal		
	January	February	March
	Count Percent	Count Percent	Count Percent
Medical reasons			
No	94.2%	91.0%	92.1%
Yes	5.8%	9.0%	7.9%
Total	100.0%	100.0%	100.0%
Child care problems			
No	97.3%	96.2%	97.3%
Yes	2.7%	3.8%	2.7%
Total	100.0%	100.0%	100.0%
Registration error			
No	96.7%	98.3%	99.1%
Yes	3.3%	1.7%	.9%
Total	100.0%	100.0%	100.0%
Course too difficult			
No	91.7%	83.5%	81.6%
Yes	8.3%	16.5%	18.4%
Total	100.0%	100.0%	100.0%
Course too easy			
No	98.5%	99.0%	99.3%
Yes	1.5%	1.0%	.7%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal Winter 1993 Term

	Month of withdrawal		
	January	February	March
	Count Percent	Count Percent	Count Percent
Course scheduling conflict			
No	90.9%	93.4%	95.3%
Yes	9.1%	6.6%	4.7%
Total	100.0%	100.0%	100.0%
Personal reasons			
No	78.5%	72.2%	67.1%
Yes	21.5%	27.8%	32.9%
Total	100.0%	100.0%	100.0%
Course was not what I expected			
No	89.5%	86.6%	89.0%
Yes	10.5%	13.4%	11.0%
Total	100.0%	100.0%	100.0%
Other reason			
No	85.9%	86.1%	90.6%
Yes	14.1%	13.9%	9.4%
Total	100.0%	100.0%	100.0%

Reasons for Withdrawal by Type of Withdrawal (1993)

	Credits after transaction			
	100% Withdrawal		Partial Withdrawal	
	Count	Count Percent	Count	Count Percent
Transportation problems				
No	5225	95.3%	7337	95.1%
Yes	255	4.7%	378	4.9%
Total	5480	100.0%	7715	100.0%
Conflict with work				
No	3213	58.6%	5117	66.3%
Yes	2267	41.4%	2598	33.7%
Total	5480	100.0%	7715	100.0%
Moving out of the area				
No	5257	95.9%	7656	99.2%
Yes	223	4.1%	59	.8%
Total	5480	100.0%	7715	100.0%
Financial reasons				
No	5179	94.5%	7405	96.0%
Yes	301	5.5%	310	4.0%
Total	5480	100.0%	7715	100.0%
Conflict with instructor				
No	5297	96.7%	7240	93.8%
Yes	183	3.3%	475	6.2%
Total	5480	100.0%	7715	100.0%

Reasons for Withdrawal by Type of Withdrawal (1993)

	Credits after transaction			
	100% Withdrawal		Partial Withdrawal	
	Count	Count Percent	Count	Count Percent
Medical reasons				
No	4940	90.1%	7264	94.2%
Yes	540	9.9%	451	5.8%
Total	5480	100.0%	7715	100.0%
Child care problems				
No	5306	96.8%	7489	97.1%
Yes	174	3.2%	226	2.9%
Total	5480	100.0%	7715	100.0%
Registration error				
No	5381	98.2%	7563	98.0%
Yes	99	1.8%	152	2.0%
Total	5480	100.0%	7715	100.0%
Course too difficult				
No	4977	90.8%	6217	80.6%
Yes	503	9.2%	1498	19.4%
Total	5480	100.0%	7715	100.0%
Course too easy				
No	5433	99.1%	7615	98.7%
Yes	47	.9%	100	1.3%
Total	5480	100.0%	7715	100.0%

Reasons for Withdrawal by Type of Withdrawal (1993)

	Credits after transaction			
	100% Withdrawal		Partial Withdrawal	
	Count	Count Percent	Count	Count Percent
Course scheduling conflict				
No	5199	94.9%	7140	92.5%
Yes	281	5.1%	575	7.5%
Total	5480	100.0%	7715	100.0%
Personal reasons				
No	3985	72.7%	5557	72.0%
Yes	1495	27.3%	2158	28.0%
Total	5480	100.0%	7715	100.0%
Course was not what I expected				
No	5011	91.4%	6599	85.5%
Yes	469	8.6%	1116	14.5%
Total	5480	100.0%	7715	100.0%
Other reason				
No	4876	89.0%	6893	89.3%
Yes	604	11.0%	822	10.7%
Total	5480	100.0%	7715	100.0%

Withdrawal Due to Transportation by Campus (1993)

	Home campus						
	Auburn Hills		Highland Lakes		Orchard Ridge		Sou
	Count	Count Percent	Count	Count Percent	Count	Count Percent	C
Students race/ethnicity							
White	147	64.2%	70	83.3%	77	73.3%	
African-American	57	24.9%	8	9.5%	16	15.2%	
Other Minority	25	10.9%	6	7.1%	12	11.4%	
Total	229	100.0%	84	100.0%	105	100.0%	



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