

## CIS 110 Introduction to CIS (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	4	1	4	1	3	2	11	4
#Enrollments	114	37	98	37	83	63	295	137
%Success	69.3	86.5	57.1	89.2	69.9	71.4	65.4	80.3
%Retention	90.4	100.0	82.7	91.9	91.6	90.5	88.1	93.4

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	65	22.0	43	31.4	86.2	96.9	93.0	97.7
African American	9	3.1	1	0.7	33.3	100.0	100.0	100.0
Filipino	23	7.8	12	8.8	47.8	91.3	75.0	83.3
Hispanic	59	20.0	42	30.7	55.9	88.1	66.7	90.5
Native American	0	0.0	0	0.0	-	-	-	-
Pacific Islander	9	3.1	2	1.5	33.3	77.8	0.0	50.0
White	90	30.5	25	18.2	73.3	86.7	84.0	96.0
Other	31	10.5	9	6.6	48.4	74.2	100.0	100.0
Unrecorded	9	3.1	3	2.2	66.7	77.8	66.7	100.0
<i>Total</i>	295	100	137	100	65.4	88.1	80.3	93.4
<b>Gender</b>								
Female	104	35.3	42	30.7	72.1	89.4	81.0	90.5
Male	180	61.0	92	67.2	61.1	86.7	80.4	94.6
Unrecorded	11	3.7	3	2.2	72.7	100.0	66.7	100.0
<i>Total</i>	295	100	137	100	65.4	88.1	80.3	93.4
<b>Age</b>								
19 or less	72	24.4	54	39.4	66.7	91.7	79.6	98.1
20-24	101	34.2	55	40.1	68.3	89.1	80.0	90.9
25-29	53	18.0	21	15.3	64.2	84.9	81.0	90.5
30-34	27	9.2	3	2.2	70.4	88.9	100.0	100.0
35-39	21	7.1	3	2.2	38.1	81.0	66.7	66.7
40-49	13	4.4	1	0.7	61.5	76.9	100.0	100.0
50+	8	2.7	0	0.0	87.5	100.0	-	-
Unrecorded	0	0.0	0	0.0	-	-	-	-
<i>Total</i>	295	100	137	100	65.4	88.1	80.3	93.4
<b>Disability Status</b>								
Has disability	8	2.7	7	5.1	75.0	87.5	71.4	71.4
No disability	287	97.3	130	94.9	65.2	88.2	80.8	94.6
<b>First Generation</b>								
First generation	138	57.7	60	58.8	59.4	87.7	73.3	93.3
Not first generation	101	42.3	42	41.2	67.3	87.1	85.7	92.9
<b>Income Status</b>								
Low income	83	28.1	28	20.4	66.3	88.0	75.0	89.3
Not low income	212	71.9	109	79.6	65.1	88.2	81.7	94.5

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic aggregated retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 111 Intro to Internet Programming (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	2	0	2	0	2	0	6	0
#Enrollments	54	0	55	0	49	0	158	0
%Success	74.1	-	56.4	-	65.3	-	65.2	-
%Retention	74.1	-	63.6	-	79.6	-	72.2	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	33	20.9	0	-	54.5	63.6	-	-
African American	2	1.3	0	-	100.0	100.0	-	-
Filipino	17	10.8	0	-	64.7	64.7	-	-
Hispanic	25	15.8	0	-	68.0	80.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	4	2.5	0	-	50.0	75.0	-	-
White	55	34.8	0	-	72.7	72.7	-	-
Other	12	7.6	0	-	83.3	91.7	-	-
Unrecorded	10	6.3	0	-	30.0	60.0	-	-
<i>Total</i>	158	100	0	-	65.2	72.2	-	-
<b>Gender</b>								
Female	57	36.1	0	-	73.7	78.9	-	-
Male	98	62.0	0	-	61.2	68.4	-	-
Unrecorded	3	1.9	0	-	33.3	66.7	-	-
<i>Total</i>	158	100	0	-	65.2	72.2	-	-
<b>Age</b>								
19 or less	29	18.4	0	-	75.9	75.9	-	-
20-24	43	27.2	0	-	76.7	79.1	-	-
25-29	26	16.5	0	-	50.0	61.5	-	-
30-34	28	17.7	0	-	64.3	75.0	-	-
35-39	12	7.6	0	-	66.7	75.0	-	-
40-49	16	10.1	0	-	37.5	56.3	-	-
50+	4	2.5	0	-	75.0	75.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	158	100	0	-	65.2	72.2	-	-
<b>Disability Status</b>								
Has disability	5	3.2	0	-	80.0	80.0	-	-
No disability	153	96.8	0	-	64.7	71.9	-	-
<b>First Generation</b>								
First generation	61	48.4	0	-	60.7	70.5	-	-
Not first generation	65	51.6	0	-	73.8	75.4	-	-
<b>Income Status</b>								
Low income	43	27.2	0	-	62.8	69.8	-	-
Not low income	115	72.8	0	-	66.1	73.0	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 114 JavaScript/Ajax Programming (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	1	0	3	0
#Enrollments	27	0	22	0	26	0	75	0
%Success	40.7	-	36.4	-	34.6	-	37.3	-
%Retention	55.6	-	40.9	-	50.0	-	49.3	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	15	20.0	0	-	40.0	60.0	-	-
African American	2	2.7	0	-	50.0	50.0	-	-
Filipino	5	6.7	0	-	40.0	60.0	-	-
Hispanic	18	24.0	0	-	22.2	38.9	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	25	33.3	0	-	48.0	52.0	-	-
Other	6	8.0	0	-	33.3	33.3	-	-
Unrecorded	4	5.3	0	-	25.0	50.0	-	-
<i>Total</i>	75	100	0	-	37.3	49.3	-	-
<b>Gender</b>								
Female	20	26.7	0	-	45.0	55.0	-	-
Male	52	69.3	0	-	36.5	50.0	-	-
Unrecorded	3	4.0	0	-	0.0	0.0	-	-
<i>Total</i>	75	100	0	-	37.3	49.3	-	-
<b>Age</b>								
19 or less	4	5.3	0	-	25.0	50.0	-	-
20-24	18	24.0	0	-	27.8	33.3	-	-
25-29	15	20.0	0	-	46.7	60.0	-	-
30-34	14	18.7	0	-	50.0	50.0	-	-
35-39	10	13.3	0	-	30.0	60.0	-	-
40-49	11	14.7	0	-	27.3	45.5	-	-
50+	3	4.0	0	-	66.7	66.7	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	75	100	0	-	37.3	49.3	-	-
<b>Disability Status</b>								
Has disability	2	2.7	0	-	100.0	100.0	-	-
No disability	73	97.3	0	-	35.6	47.9	-	-
<b>First Generation</b>								
First generation	26	39.4	0	-	30.8	42.3	-	-
Not first generation	40	60.6	0	-	42.5	50.0	-	-
<b>Income Status</b>								
Low income	24	32.0	0	-	33.3	41.7	-	-
Not low income	51	68.0	0	-	39.2	52.9	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 117 Python Programming (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	0	0	0	0	1	0	1	0
#Enrollments	0	0	0	0	31	0	31	0
%Success	-	-	-	-	61.3	-	61.3	-
%Retention	-	-	-	-	64.5	-	64.5	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	13	41.9	0	-	76.9	76.9	-	-
African American	3	9.7	0	-	33.3	33.3	-	-
Filipino	4	12.9	0	-	75.0	100.0	-	-
Hispanic	1	3.2	0	-	100.0	100.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	7	22.6	0	-	42.9	42.9	-	-
Other	3	9.7	0	-	33.3	33.3	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	31	100	0	-	61.3	64.5	-	-
<b>Gender</b>								
Female	7	22.6	0	-	57.1	57.1	-	-
Male	23	74.2	0	-	60.9	65.2	-	-
Unrecorded	1	3.2	0	-	100.0	100.0	-	-
<i>Total</i>	31	100	0	-	61.3	64.5	-	-
<b>Age</b>								
19 or less	4	12.9	0	-	100.0	100.0	-	-
20-24	5	16.1	0	-	60.0	60.0	-	-
25-29	2	6.5	0	-	50.0	50.0	-	-
30-34	4	12.9	0	-	50.0	50.0	-	-
35-39	3	9.7	0	-	33.3	66.7	-	-
40-49	8	25.8	0	-	50.0	50.0	-	-
50+	5	16.1	0	-	80.0	80.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	31	100	0	-	61.3	64.5	-	-
<b>Disability Status</b>								
Has disability	2	6.5	0	-	50.0	50.0	-	-
No disability	29	93.5	0	-	62.1	65.5	-	-
<b>First Generation</b>								
First generation	12	42.9	0	-	50.0	50.0	-	-
Not first generation	16	57.1	0	-	62.5	68.8	-	-
<b>Income Status</b>								
Low income	6	19.4	0	-	33.3	33.3	-	-
Not low income	25	80.6	0	-	68.0	72.0	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

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##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 121 UNIX/Linux (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	1	0	3	0
#Enrollments	35	0	36	0	35	0	106	0
%Success	40.0	-	50.0	-	51.4	-	47.2	-
%Retention	62.9	-	63.9	-	74.3	-	67.0	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	27	25.5	0	-	59.3	81.5	-	-
African American	7	6.6	0	-	14.3	57.1	-	-
Filipino	5	4.7	0	-	40.0	40.0	-	-
Hispanic	17	16.0	0	-	29.4	52.9	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	2	1.9	0	-	50.0	50.0	-	-
White	38	35.8	0	-	50.0	65.8	-	-
Other	6	5.7	0	-	50.0	66.7	-	-
Unrecorded	4	3.8	0	-	75.0	100.0	-	-
<i>Total</i>	106	100	0	-	47.2	67.0	-	-
<b>Gender</b>								
Female	26	24.5	0	-	69.2	69.2	-	-
Male	78	73.6	0	-	39.7	66.7	-	-
Unrecorded	2	1.9	0	-	50.0	50.0	-	-
<i>Total</i>	106	100	0	-	47.2	67.0	-	-
<b>Age</b>								
19 or less	17	16.0	0	-	47.1	52.9	-	-
20-24	27	25.5	0	-	40.7	63.0	-	-
25-29	26	24.5	0	-	50.0	69.2	-	-
30-34	20	18.9	0	-	40.0	75.0	-	-
35-39	6	5.7	0	-	66.7	83.3	-	-
40-49	3	2.8	0	-	66.7	66.7	-	-
50+	7	6.6	0	-	57.1	71.4	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	106	100	0	-	47.2	67.0	-	-
<b>Disability Status</b>								
Has disability	1	0.9	0	-	0.0	0.0	-	-
No disability	105	99.1	0	-	47.6	67.6	-	-
<b>First Generation</b>								
First generation	40	46.5	0	-	45.0	60.0	-	-
Not first generation	46	53.5	0	-	54.3	69.6	-	-
<b>Income Status</b>								
Low income	24	22.6	0	-	58.3	75.0	-	-
Not low income	82	77.4	0	-	43.9	64.6	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

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##### Part II: Demographic Profile

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##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 127 HTML5 and CSS (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	1	0	3	0
#Enrollments	36	0	27	0	29	0	92	0
%Success	83.3	-	55.6	-	75.9	-	72.8	-
%Retention	88.9	-	63.0	-	93.1	-	82.6	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	29	31.5	0	-	65.5	72.4	-	-
African American	0	0.0	0	-	-	-	-	-
Filipino	7	7.6	0	-	85.7	85.7	-	-
Hispanic	13	14.1	0	-	61.5	92.3	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	33	35.9	0	-	75.8	84.8	-	-
Other	4	4.3	0	-	75.0	75.0	-	-
Unrecorded	6	6.5	0	-	100.0	100.0	-	-
<i>Total</i>	92	100	0	-	72.8	82.6	-	-
<b>Gender</b>								
Female	27	29.3	0	-	81.5	88.9	-	-
Male	62	67.4	0	-	67.7	79.0	-	-
Unrecorded	3	3.3	0	-	100.0	100.0	-	-
<i>Total</i>	92	100	0	-	72.8	82.6	-	-
<b>Age</b>								
19 or less	9	9.8	0	-	55.6	66.7	-	-
20-24	17	18.5	0	-	70.6	82.4	-	-
25-29	25	27.2	0	-	80.0	84.0	-	-
30-34	16	17.4	0	-	75.0	100.0	-	-
35-39	8	8.7	0	-	87.5	87.5	-	-
40-49	12	13.0	0	-	75.0	75.0	-	-
50+	5	5.4	0	-	40.0	60.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	92	100	0	-	72.8	82.6	-	-
<b>Disability Status</b>								
Has disability	0	0.0	0	-	-	-	-	-
No disability	92	100.0	0	-	72.8	82.6	-	-
<b>First Generation</b>								
First generation	29	43.3	0	-	72.4	86.2	-	-
Not first generation	38	56.7	0	-	71.1	78.9	-	-
<b>Income Status</b>								
Low income	25	27.2	0	-	56.0	80.0	-	-
Not low income	67	72.8	0	-	79.1	83.6	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 132 Introduction to Databases (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	0	0	1	0	1	0	2	0
#Enrollments	0	0	26	0	28	0	54	0
%Success	-	-	57.7	-	67.9	-	63.0	-
%Retention	-	-	65.4	-	92.9	-	79.6	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	16	29.6	0	-	68.8	81.3	-	-
African American	2	3.7	0	-	50.0	50.0	-	-
Filipino	1	1.9	0	-	100.0	100.0	-	-
Hispanic	10	18.5	0	-	50.0	80.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	1	1.9	0	-	0.0	100.0	-	-
White	16	29.6	0	-	68.8	81.3	-	-
Other	7	13.0	0	-	57.1	71.4	-	-
Unrecorded	1	1.9	0	-	100.0	100.0	-	-
<i>Total</i>	54	100	0	-	63.0	79.6	-	-
<b>Gender</b>								
Female	16	29.6	0	-	62.5	81.3	-	-
Male	32	59.3	0	-	62.5	78.1	-	-
Unrecorded	6	11.1	0	-	66.7	83.3	-	-
<i>Total</i>	54	100	0	-	63.0	79.6	-	-
<b>Age</b>								
19 or less	3	5.6	0	-	100.0	100.0	-	-
20-24	15	27.8	0	-	40.0	73.3	-	-
25-29	16	29.6	0	-	68.8	81.3	-	-
30-34	4	7.4	0	-	75.0	75.0	-	-
35-39	4	7.4	0	-	75.0	100.0	-	-
40-49	10	18.5	0	-	60.0	70.0	-	-
50+	2	3.7	0	-	100.0	100.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	54	100	0	-	63.0	79.6	-	-
<b>Disability Status</b>								
Has disability	1	1.9	0	-	100.0	100.0	-	-
No disability	53	98.1	0	-	62.3	79.2	-	-
<b>First Generation</b>								
First generation	16	42.1	0	-	37.5	68.8	-	-
Not first generation	22	57.9	0	-	72.7	81.8	-	-
<b>Income Status</b>								
Low income	12	22.2	0	-	25.0	58.3	-	-
Not low income	42	77.8	0	-	73.8	85.7	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 133 NoSQL Databases (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	0	0	1	0	1	0	2	0
#Enrollments	0	0	13	0	20	0	33	0
%Success	-	-	53.8	-	60.0	-	57.6	-
%Retention	-	-	84.6	-	75.0	-	78.8	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	15	45.5	0	-	53.3	80.0	-	-
African American	1	3.0	0	-	0.0	100.0	-	-
Filipino	0	0.0	0	-	-	-	-	-
Hispanic	2	6.1	0	-	50.0	50.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	1	3.0	0	-	100.0	100.0	-	-
White	11	33.3	0	-	63.6	81.8	-	-
Other	1	3.0	0	-	0.0	0.0	-	-
Unrecorded	2	6.1	0	-	100.0	100.0	-	-
<i>Total</i>	33	100	0	-	57.6	78.8	-	-
<b>Gender</b>								
Female	13	39.4	0	-	53.8	84.6	-	-
Male	19	57.6	0	-	57.9	73.7	-	-
Unrecorded	1	3.0	0	-	100.0	100.0	-	-
<i>Total</i>	33	100	0	-	57.6	78.8	-	-
<b>Age</b>								
19 or less	1	3.0	0	-	100.0	100.0	-	-
20-24	4	12.1	0	-	25.0	75.0	-	-
25-29	9	27.3	0	-	77.8	88.9	-	-
30-34	5	15.2	0	-	80.0	80.0	-	-
35-39	5	15.2	0	-	20.0	80.0	-	-
40-49	5	15.2	0	-	40.0	60.0	-	-
50+	4	12.1	0	-	75.0	75.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	33	100	0	-	57.6	78.8	-	-
<b>Disability Status</b>								
Has disability	2	6.1	0	-	50.0	100.0	-	-
No disability	31	93.9	0	-	58.1	77.4	-	-
<b>First Generation</b>								
First generation	6	21.4	0	-	33.3	66.7	-	-
Not first generation	22	78.6	0	-	63.6	81.8	-	-
<b>Income Status</b>								
Low income	10	30.3	0	-	60.0	80.0	-	-
Not low income	23	69.7	0	-	56.5	78.3	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.



## CIS 137 iOS/Swift Programming (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	0	0	1	0	1	0	2	0
#Enrollments	0	0	22	0	29	0	51	0
%Success	-	-	40.9	-	48.3	-	45.1	-
%Retention	-	-	45.5	-	62.1	-	54.9	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	12	23.5	0	-	58.3	75.0	-	-
African American	1	2.0	0	-	0.0	0.0	-	-
Filipino	3	5.9	0	-	66.7	66.7	-	-
Hispanic	7	13.7	0	-	57.1	57.1	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	21	41.2	0	-	38.1	47.6	-	-
Other	6	11.8	0	-	16.7	33.3	-	-
Unrecorded	1	2.0	0	-	100.0	100.0	-	-
<i>Total</i>	51	100	0	-	45.1	54.9	-	-
<b>Gender</b>								
Female	12	23.5	0	-	58.3	58.3	-	-
Male	38	74.5	0	-	42.1	55.3	-	-
Unrecorded	1	2.0	0	-	0.0	0.0	-	-
<i>Total</i>	51	100	0	-	45.1	54.9	-	-
<b>Age</b>								
19 or less	4	7.8	0	-	75.0	75.0	-	-
20-24	10	19.6	0	-	50.0	60.0	-	-
25-29	5	9.8	0	-	0.0	0.0	-	-
30-34	10	19.6	0	-	60.0	60.0	-	-
35-39	7	13.7	0	-	14.3	57.1	-	-
40-49	10	19.6	0	-	40.0	50.0	-	-
50+	5	9.8	0	-	80.0	80.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	51	100	0	-	45.1	54.9	-	-
<b>Disability Status</b>								
Has disability	1	2.0	0	-	0.0	100.0	-	-
No disability	50	98.0	0	-	46.0	54.0	-	-
<b>First Generation</b>								
First generation	23	54.8	0	-	39.1	56.5	-	-
Not first generation	19	45.2	0	-	36.8	42.1	-	-
<b>Income Status</b>								
Low income	9	17.6	0	-	22.2	33.3	-	-
Not low income	42	82.4	0	-	50.0	59.5	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 140 R Programming for Big Data (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	0	0	1	0	1	0	2	0
#Enrollments	0	0	18	0	34	0	52	0
%Success	-	-	50.0	-	64.7	-	59.6	-
%Retention	-	-	66.7	-	79.4	-	75.0	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	24	46.2	0	-	62.5	79.2	-	-
African American	1	1.9	0	-	0.0	0.0	-	-
Filipino	2	3.8	0	-	100.0	100.0	-	-
Hispanic	5	9.6	0	-	40.0	80.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	1	1.9	0	-	100.0	100.0	-	-
White	15	28.8	0	-	60.0	73.3	-	-
Other	1	1.9	0	-	0.0	0.0	-	-
Unrecorded	3	5.8	0	-	66.7	66.7	-	-
<i>Total</i>	52	100	0	-	59.6	75.0	-	-
<b>Gender</b>								
Female	22	42.3	0	-	72.7	77.3	-	-
Male	29	55.8	0	-	51.7	75.9	-	-
Unrecorded	1	1.9	0	-	0.0	0.0	-	-
<i>Total</i>	52	100	0	-	59.6	75.0	-	-
<b>Age</b>								
19 or less	1	1.9	0	-	100.0	100.0	-	-
20-24	8	15.4	0	-	37.5	75.0	-	-
25-29	11	21.2	0	-	90.9	100.0	-	-
30-34	7	13.5	0	-	57.1	71.4	-	-
35-39	6	11.5	0	-	50.0	66.7	-	-
40-49	13	25.0	0	-	46.2	61.5	-	-
50+	6	11.5	0	-	66.7	66.7	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	52	100	0	-	59.6	75.0	-	-
<b>Disability Status</b>								
Has disability	2	3.8	0	-	50.0	100.0	-	-
No disability	50	96.2	0	-	60.0	74.0	-	-
<b>First Generation</b>								
First generation	18	42.9	0	-	44.4	61.1	-	-
Not first generation	24	57.1	0	-	70.8	87.5	-	-
<b>Income Status</b>								
Low income	11	21.2	0	-	54.5	72.7	-	-
Not low income	41	78.8	0	-	61.0	75.6	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 151 Networks & Digital Communicati (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	1	0	3	0
#Enrollments	21	0	23	0	30	0	74	0
%Success	71.4	-	60.9	-	63.3	-	64.9	-
%Retention	81.0	-	73.9	-	80.0	-	78.4	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	12	16.2	0	-	83.3	91.7	-	-
African American	4	5.4	0	-	50.0	75.0	-	-
Filipino	6	8.1	0	-	50.0	66.7	-	-
Hispanic	16	21.6	0	-	62.5	87.5	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	27	36.5	0	-	70.4	74.1	-	-
Other	5	6.8	0	-	60.0	100.0	-	-
Unrecorded	4	5.4	0	-	25.0	25.0	-	-
<i>Total</i>	74	100	0	-	64.9	78.4	-	-
<b>Gender</b>								
Female	11	14.9	0	-	54.5	72.7	-	-
Male	60	81.1	0	-	65.0	78.3	-	-
Unrecorded	3	4.1	0	-	100.0	100.0	-	-
<i>Total</i>	74	100	0	-	64.9	78.4	-	-
<b>Age</b>								
19 or less	4	5.4	0	-	75.0	100.0	-	-
20-24	21	28.4	0	-	47.6	61.9	-	-
25-29	17	23.0	0	-	82.4	88.2	-	-
30-34	10	13.5	0	-	80.0	100.0	-	-
35-39	9	12.2	0	-	55.6	55.6	-	-
40-49	9	12.2	0	-	77.8	88.9	-	-
50+	4	5.4	0	-	25.0	75.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	74	100	0	-	64.9	78.4	-	-
<b>Disability Status</b>								
Has disability	0	0.0	0	-	-	-	-	-
No disability	74	100.0	0	-	64.9	78.4	-	-
<b>First Generation</b>								
First generation	28	49.1	0	-	64.3	78.6	-	-
Not first generation	29	50.9	0	-	58.6	79.3	-	-
<b>Income Status</b>								
Low income	18	24.3	0	-	72.2	83.3	-	-
Not low income	56	75.7	0	-	62.5	76.8	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 254 Intro Object-Oriented Pgm Dsgn (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	3	2	2	2	3	5	8
#Enrollments	34	104	82	68	62	115	178	287
%Success	41.2	58.7	50.0	51.5	56.5	74.8	50.6	63.4
%Retention	52.9	66.3	65.9	72.1	66.1	85.2	63.5	75.3

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	60	33.7	102	35.5	63.3	75.0	73.5	85.3
African American	6	3.4	8	2.8	0.0	50.0	37.5	87.5
Filipino	19	10.7	29	10.1	42.1	47.4	69.0	75.9
Hispanic	37	20.8	48	16.7	48.6	62.2	47.9	62.5
Native American	0	0.0	0	0.0	-	-	-	-
Pacific Islander	0	0.0	2	0.7	-	-	50.0	100.0
White	47	26.4	62	21.6	48.9	59.6	64.5	72.6
Other	7	3.9	27	9.4	28.6	57.1	51.9	63.0
Unrecorded	2	1.1	9	3.1	50.0	50.0	66.7	66.7
<i>Total</i>	178	100	287	100	50.6	63.5	63.4	75.3
<b>Gender</b>								
Female	40	22.5	42	14.6	57.5	65.0	71.4	73.8
Male	136	76.4	241	84.0	49.3	62.5	62.2	75.9
Unrecorded	2	1.1	4	1.4	0.0	100.0	50.0	50.0
<i>Total</i>	178	100	287	100	50.6	63.5	63.4	75.3
<b>Age</b>								
19 or less	64	36.0	135	47.0	54.7	67.2	67.4	78.5
20-24	65	36.5	98	34.1	41.5	56.9	55.1	68.4
25-29	23	12.9	29	10.1	43.5	60.9	65.5	79.3
30-34	10	5.6	10	3.5	80.0	80.0	60.0	70.0
35-39	5	2.8	7	2.4	60.0	60.0	85.7	100.0
40-49	6	3.4	6	2.1	50.0	66.7	83.3	83.3
50+	5	2.8	2	0.7	80.0	80.0	50.0	50.0
Unrecorded	0	0.0	0	0.0	-	-	-	-
<i>Total</i>	178	100	287	100	50.6	63.5	63.4	75.3
<b>Disability Status</b>								
Has disability	5	2.8	7	2.4	60.0	80.0	71.4	85.7
No disability	173	97.2	280	97.6	50.3	63.0	63.2	75.0
<b>First Generation</b>								
First generation	59	43.7	96	46.2	32.2	44.1	55.2	71.9
Not first generation	76	56.3	112	53.8	52.6	65.8	67.0	74.1
<b>Income Status</b>								
Low income	38	21.3	69	24.0	50.0	65.8	50.7	63.8
Not low income	140	78.7	218	76.0	50.7	62.9	67.4	78.9

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic aggregated retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 255 (CS1) Programming Methods:Java (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	2	0	4	0
#Enrollments	37	0	42	0	75	0	154	0
%Success	81.1	-	81.0	-	78.7	-	79.9	-
%Retention	86.5	-	90.5	-	86.7	-	87.7	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	75	48.7	0	-	88.0	93.3	-	-
African American	3	1.9	0	-	0.0	100.0	-	-
Filipino	11	7.1	0	-	72.7	72.7	-	-
Hispanic	15	9.7	0	-	66.7	66.7	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	22	14.3	0	-	72.7	90.9	-	-
Other	16	10.4	0	-	68.8	75.0	-	-
Unrecorded	12	7.8	0	-	100.0	100.0	-	-
<i>Total</i>	154	100	0	-	79.9	87.7	-	-
<b>Gender</b>								
Female	30	19.5	0	-	76.7	83.3	-	-
Male	119	77.3	0	-	80.7	89.1	-	-
Unrecorded	5	3.2	0	-	80.0	80.0	-	-
<i>Total</i>	154	100	0	-	79.9	87.7	-	-
<b>Age</b>								
19 or less	46	29.9	0	-	89.1	89.1	-	-
20-24	75	48.7	0	-	76.0	85.3	-	-
25-29	19	12.3	0	-	78.9	89.5	-	-
30-34	6	3.9	0	-	66.7	83.3	-	-
35-39	5	3.2	0	-	60.0	100.0	-	-
40-49	1	0.6	0	-	100.0	100.0	-	-
50+	2	1.3	0	-	100.0	100.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	154	100	0	-	79.9	87.7	-	-
<b>Disability Status</b>								
Has disability	2	1.3	0	-	100.0	100.0	-	-
No disability	152	98.7	0	-	79.6	87.5	-	-
<b>First Generation</b>								
First generation	47	54.7	0	-	72.3	80.9	-	-
Not first generation	39	45.3	0	-	71.8	79.5	-	-
<b>Income Status</b>								
Low income	36	23.4	0	-	69.4	77.8	-	-
Not low income	118	76.6	0	-	83.1	90.7	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 256 (CS2) Data Structures: Java (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	0	0	1	0	1	0	2	0
#Enrollments	0	0	36	0	35	0	71	0
%Success	-	-	83.3	-	80.0	-	81.7	-
%Retention	-	-	83.3	-	91.4	-	87.3	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	34	47.9	0	-	94.1	94.1	-	-
African American	0	0.0	0	-	-	-	-	-
Filipino	4	5.6	0	-	75.0	75.0	-	-
Hispanic	11	15.5	0	-	54.5	72.7	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	15	21.1	0	-	66.7	80.0	-	-
Other	1	1.4	0	-	100.0	100.0	-	-
Unrecorded	6	8.5	0	-	100.0	100.0	-	-
<i>Total</i>	71	100	0	-	81.7	87.3	-	-
<b>Gender</b>								
Female	14	19.7	0	-	71.4	78.6	-	-
Male	57	80.3	0	-	84.2	89.5	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	71	100	0	-	81.7	87.3	-	-
<b>Age</b>								
19 or less	15	21.1	0	-	80.0	80.0	-	-
20-24	31	43.7	0	-	80.6	87.1	-	-
25-29	15	21.1	0	-	80.0	93.3	-	-
30-34	7	9.9	0	-	85.7	85.7	-	-
35-39	2	2.8	0	-	100.0	100.0	-	-
40-49	1	1.4	0	-	100.0	100.0	-	-
50+	0	0.0	0	-	-	-	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	71	100	0	-	81.7	87.3	-	-
<b>Disability Status</b>								
Has disability	1	1.4	0	-	0.0	100.0	-	-
No disability	70	98.6	0	-	82.9	87.1	-	-
<b>First Generation</b>								
First generation	30	57.7	0	-	76.7	86.7	-	-
Not first generation	22	42.3	0	-	81.8	86.4	-	-
<b>Income Status</b>								
Low income	16	22.5	0	-	87.5	87.5	-	-
Not low income	55	77.5	0	-	80.0	87.3	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 278 (CS1) Programming Methods: C++ (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	2	0	1	1	1	1	4	2
#Enrollments	47	0	36	13	27	11	110	24
%Success	70.2	-	69.4	92.3	70.4	90.9	70.0	91.7
%Retention	80.9	-	75.0	92.3	85.2	100.0	80.0	95.8

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	45	40.9	12	50.0	66.7	84.4	91.7	100.0
African American	2	1.8	1	4.2	50.0	50.0	100.0	100.0
Filipino	4	3.6	1	4.2	75.0	75.0	100.0	100.0
Hispanic	16	14.5	3	12.5	68.8	75.0	100.0	100.0
Native American	0	0.0	0	0.0	-	-	-	-
Pacific Islander	1	0.9	0	0.0	0.0	0.0	-	-
White	32	29.1	5	20.8	75.0	81.3	80.0	80.0
Other	8	7.3	2	8.3	75.0	75.0	100.0	100.0
Unrecorded	2	1.8	0	0.0	100.0	100.0	-	-
<b>Total</b>	<b>110</b>	<b>100</b>	<b>24</b>	<b>100</b>	<b>70.0</b>	<b>80.0</b>	<b>91.7</b>	<b>95.8</b>
<b>Gender</b>								
Female	26	23.6	4	16.7	73.1	92.3	75.0	75.0
Male	82	74.5	19	79.2	69.5	76.8	100.0	100.0
Unrecorded	2	1.8	1	4.2	50.0	50.0	0.0	100.0
<b>Total</b>	<b>110</b>	<b>100</b>	<b>24</b>	<b>100</b>	<b>70.0</b>	<b>80.0</b>	<b>91.7</b>	<b>95.8</b>
<b>Age</b>								
19 or less	35	31.8	2	8.3	85.7	85.7	100.0	100.0
20-24	39	35.5	17	70.8	51.3	71.8	88.2	94.1
25-29	17	15.5	3	12.5	58.8	76.5	100.0	100.0
30-34	9	8.2	2	8.3	88.9	88.9	100.0	100.0
35-39	3	2.7	0	0.0	66.7	66.7	-	-
40-49	6	5.5	0	0.0	100.0	100.0	-	-
50+	1	0.9	0	0.0	100.0	100.0	-	-
Unrecorded	0	0.0	0	0.0	-	-	-	-
<b>Total</b>	<b>110</b>	<b>100</b>	<b>24</b>	<b>100</b>	<b>70.0</b>	<b>80.0</b>	<b>91.7</b>	<b>95.8</b>
<b>Disability Status</b>								
Has disability	2	1.8	1	4.2	50.0	50.0	100.0	100.0
No disability	108	98.2	23	95.8	70.4	80.6	91.3	95.7
<b>First Generation</b>								
First generation	29	43.3	9	45.0	65.5	72.4	88.9	100.0
Not first generation	38	56.7	11	55.0	76.3	81.6	90.9	90.9
<b>Income Status</b>								
Low income	21	19.1	10	41.7	76.2	85.7	100.0	100.0
Not low income	89	80.9	14	58.3	68.5	78.7	85.7	92.9

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic aggregated retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 279 (CS2) Data Structures:C++ (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	1	0	3	0
#Enrollments	23	0	30	0	19	0	72	0
%Success	82.6	-	83.3	-	73.7	-	80.6	-
%Retention	82.6	-	96.7	-	78.9	-	87.5	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	34	47.2	0	-	76.5	85.3	-	-
African American	1	1.4	0	-	100.0	100.0	-	-
Filipino	4	5.6	0	-	100.0	100.0	-	-
Hispanic	11	15.3	0	-	81.8	81.8	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	14	19.4	0	-	85.7	92.9	-	-
Other	1	1.4	0	-	0.0	0.0	-	-
Unrecorded	7	9.7	0	-	85.7	100.0	-	-
<i>Total</i>	72	100	0	-	80.6	87.5	-	-
<b>Gender</b>								
Female	14	19.4	0	-	78.6	85.7	-	-
Male	54	75.0	0	-	81.5	88.9	-	-
Unrecorded	4	5.6	0	-	75.0	75.0	-	-
<i>Total</i>	72	100	0	-	80.6	87.5	-	-
<b>Age</b>								
19 or less	16	22.2	0	-	93.8	100.0	-	-
20-24	36	50.0	0	-	77.8	86.1	-	-
25-29	6	8.3	0	-	83.3	83.3	-	-
30-34	8	11.1	0	-	75.0	87.5	-	-
35-39	4	5.6	0	-	75.0	75.0	-	-
40-49	2	2.8	0	-	50.0	50.0	-	-
50+	0	0.0	0	-	-	-	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	72	100	0	-	80.6	87.5	-	-
<b>Disability Status</b>								
Has disability	1	1.4	0	-	0.0	100.0	-	-
No disability	71	98.6	0	-	81.7	87.3	-	-
<b>First Generation</b>								
First generation	27	47.4	0	-	77.8	81.5	-	-
Not first generation	30	52.6	0	-	80.0	86.7	-	-
<b>Income Status</b>								
Low income	22	30.6	0	-	77.3	86.4	-	-
Not low income	50	69.4	0	-	82.0	88.0	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.



## CIS 363 Enterprise Data Mgmt w MySQL (4.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	0	0	0	0	1	0
#Enrollments	18	0	0	0	0	0	18	0
%Success	38.9	-	-	-	-	-	38.9	-
%Retention	66.7	-	-	-	-	-	66.7	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	4	22.2	0	-	50.0	50.0	-	-
African American	1	5.6	0	-	100.0	100.0	-	-
Filipino	1	5.6	0	-	0.0	100.0	-	-
Hispanic	2	11.1	0	-	0.0	50.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	1	5.6	0	-	100.0	100.0	-	-
White	7	38.9	0	-	42.9	85.7	-	-
Other	2	11.1	0	-	0.0	0.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	18	100	0	-	38.9	66.7	-	-
<b>Gender</b>								
Female	4	22.2	0	-	75.0	75.0	-	-
Male	13	72.2	0	-	30.8	69.2	-	-
Unrecorded	1	5.6	0	-	0.0	0.0	-	-
<i>Total</i>	18	100	0	-	38.9	66.7	-	-
<b>Age</b>								
19 or less	1	5.6	0	-	100.0	100.0	-	-
20-24	4	22.2	0	-	50.0	50.0	-	-
25-29	4	22.2	0	-	0.0	25.0	-	-
30-34	4	22.2	0	-	25.0	75.0	-	-
35-39	1	5.6	0	-	100.0	100.0	-	-
40-49	3	16.7	0	-	66.7	100.0	-	-
50+	1	5.6	0	-	0.0	100.0	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	18	100	0	-	38.9	66.7	-	-
<b>Disability Status</b>								
Has disability	0	0.0	0	-	-	-	-	-
No disability	18	100.0	0	-	38.9	66.7	-	-
<b>First Generation</b>								
First generation	7	41.2	0	-	28.6	57.1	-	-
Not first generation	10	58.8	0	-	40.0	70.0	-	-
<b>Income Status</b>								
Low income	4	22.2	0	-	25.0	50.0	-	-
Not low income	14	77.8	0	-	42.9	71.4	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.

## CIS 380 PHP Programming (3.0 Units), Online Mode

### Part I—Summary: Enrollment and Student Outcomes

	Fall 2015		Fall 2016		Fall 2017		Total	
	Distance	Traditional	Distance	Traditional	Distance	Traditional	Distance	Traditional
#Sections	1	0	1	0	1	0	3	0
#Enrollments	26	0	15	0	13	0	54	0
%Success	65.4	-	73.3	-	76.9	-	70.4	-
%Retention	80.8	-	73.3	-	92.3	-	81.5	-

### Part II—Demographic Profile: Enrollment and Student Outcomes

Demographic Variable	Distance		Traditional		Distance		Traditional	
	Count	%	Count	%	% Success	% Retention	% Success	% Retention
<b>Ethnicity</b>								
Asian	13	24.1	0	-	76.9	76.9	-	-
African American	1	1.9	0	-	0.0	0.0	-	-
Filipino	5	9.3	0	-	60.0	100.0	-	-
Hispanic	5	9.3	0	-	40.0	40.0	-	-
Native American	0	0.0	0	-	-	-	-	-
Pacific Islander	0	0.0	0	-	-	-	-	-
White	22	40.7	0	-	72.7	90.9	-	-
Other	4	7.4	0	-	75.0	75.0	-	-
Unrecorded	4	7.4	0	-	100.0	100.0	-	-
<i>Total</i>	54	100	0	-	70.4	81.5	-	-
<b>Gender</b>								
Female	10	18.5	0	-	80.0	80.0	-	-
Male	42	77.8	0	-	66.7	81.0	-	-
Unrecorded	2	3.7	0	-	100.0	100.0	-	-
<i>Total</i>	54	100	0	-	70.4	81.5	-	-
<b>Age</b>								
19 or less	5	9.3	0	-	80.0	80.0	-	-
20-24	13	24.1	0	-	84.6	100.0	-	-
25-29	13	24.1	0	-	61.5	69.2	-	-
30-34	10	18.5	0	-	60.0	80.0	-	-
35-39	7	13.0	0	-	71.4	71.4	-	-
40-49	3	5.6	0	-	66.7	100.0	-	-
50+	3	5.6	0	-	66.7	66.7	-	-
Unrecorded	0	0.0	0	-	-	-	-	-
<i>Total</i>	54	100	0	-	70.4	81.5	-	-
<b>Disability Status</b>								
Has disability	0	0.0	0	-	-	-	-	-
No disability	54	100.0	0	-	70.4	81.5	-	-
<b>First Generation</b>								
First generation	21	46.7	0	-	57.1	66.7	-	-
Not first generation	24	53.3	0	-	70.8	87.5	-	-
<b>Income Status</b>								
Low income	10	18.5	0	-	70.0	80.0	-	-
Not low income	44	81.5	0	-	70.5	81.8	-	-

#### DEFINITIONS & NOTES

##### Overview of Data

This is a delivery-mode comparison of student success in online courses with their traditional mode counterparts, if offered. The comparison spans fall semesters only: F15, F16, and F17.

##### Part I: Enrollment & Student Outcomes

Displays summaries of total enrollment, numbers of sections offered, retention, and success.

##### Part II: Demographic Profile

Displays comparative demographic *aggregated* retention and success data. Data combine all Fall semesters.

##### Enrollments

Indicates a duplicated headcount that is the sum of end-of-term enrollments.

##### % Retention

The percentage of enrollments with a grade of A, B, C, D, F, P, NP, I, at end-of-term (only excludes W's).

##### % Success

Also known as "successful course completion." The percentage of enrollments with a grade of A, B, C, or P at end-of-term.