



Edison State Community College 2021-2022 Assessment Report

General Education: Critical Thinking, Inquiry, and Mathematics

Report Compiled by Dr. Amanda Bylczynski, Assistant Dean for Accreditation and Academic Effectiveness

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General Education Assessment

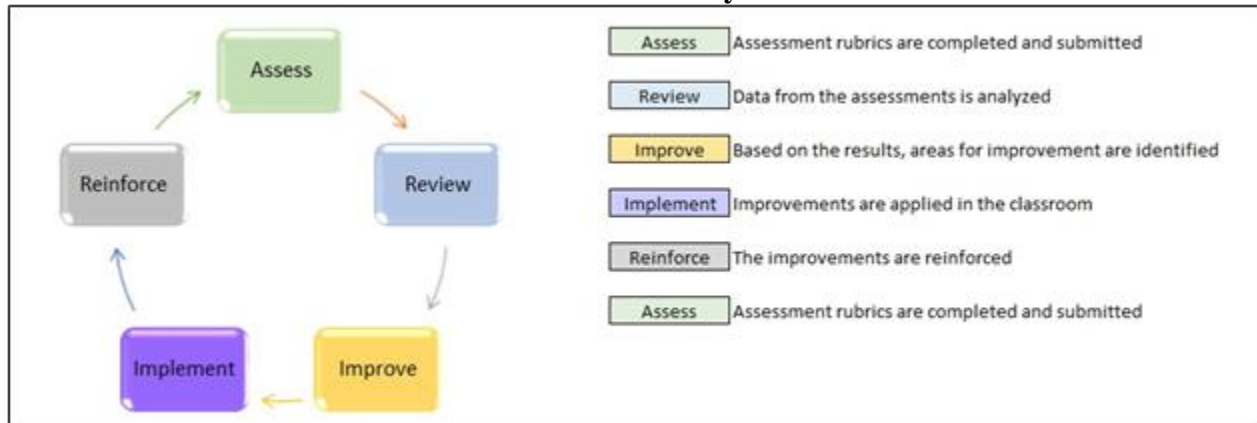
General Education is a group of courses that provide a broad educational foundation and promote lifelong learning and personal, professional, and social growth. The overall goals of General Education at Edison State are characterized using six learning outcomes. These outcomes are:

1. Demonstrate critical thinking skills in order to understand complex relationships; to evaluate claims of truth, aesthetic value, ethics, and morality; and to make appropriate choices and draw defensible conclusions;
2. Use written and spoken English effectively in a free exchange of ideas;
3. Appreciate the process and structure of mathematics and apply math to the analysis of the physical world;
4. Develop a mental habit which is open-minded, tolerant, appreciative of diversity and aware of global cultures;
5. Develop effective interpersonal skills;
6. Use information resources and apply basic methods of inquiry from many fields, including scientific method, social and scientific observation, cause-effect analysis, and artistic criticism.

Annually, through various methods, the General Education outcomes are assessed throughout the courses that are offered. The results of the assessments are then evaluated and alterations to the assessments themselves are made to increase their effectiveness. Also, if results indicate, changes may be made to General Education to enhance the focus relating to specific outcomes. Therefore, this assessment procedure allows Edison State to verify that students receiving a General Education have increased their competency regarding the General Education outcomes.

The core values are a set of principles that guide Edison State Community College in creating its educational programs and environment. They will be reflected in every aspect of the College. Students' educational experiences will incorporate the core values at all levels, so that a student who completes a degree program at Edison State Community College will not only have been introduced to each value but will have had them reinforced and refined at every opportunity. The General Education Outcomes are closely aligned with the Student Core Values: Communication, Ethics, Critical Thinking, Human Diversity, Inquiry and Respect for Learning, and Interpersonal Skills and Teamwork.

The Assessment Cycle



	2021FS	2021SS	2022FS	2022SS	2023FS	2023SS	2024FS	2024SS	2025FS	2025SS
Oral Communication	Improve	Implement	Reinforce	Reinforce	Assess	Review	Improve	Implement	Reinforce	Reinforce
Written Communication	Review	Improve	Implement	Reinforce	Reinforce	Assess	Review	Improve	Implement	Reinforce
Critical Thinking	Assess	Review	Improve	Implement	Reinforce	Reinforce	Assess	Review	Improve	Implement
Inquiry	Reinforce	Assess	Review	Improve	Implement	Reinforce	Reinforce	Assess	Review	Improve
Diversity			Assess	Review	Improve	Implement	Reinforce	Reinforce	Assess	Review
Interpersonal Skills and Teamwork	Implement	Reinforce	Reinforce	Assess	Review	Improve	Implement	Reinforce	Reinforce	Assess
Mathematics (ongoing every semester)	Assess/Improve	Assess/Review	Assess/Improve	Assess/Review	Assess/Improve	Assess/Review	Assess/Improve	Assess/Review	Assess/Review	Assess/Review
Matrix Review Every 3 years			Review						Review	

General Education Assessment Report

General Education Component	Critical Thinking
Coordinator	Assessment Committee
Academic Year:	2021-2022
Report Summary	Dr. Amanda Bylczynski

Student Learning Objectives

1. Demonstrates the ability to identify and define the problem or question to be addressed within the context of this course
2. Clearly communicates the perspective, hypothesis, or position
3. Presents, assesses, and analyzes appropriate supporting data/evidence/sources
4. Identifies and assesses the key assumptions, positions, and biases of self and /or others
5. Articulates conclusions, implications, implementations, and/or consequences clearly

Learning Outcome Findings

Questions	2015SS	2018FS	2021FS	
# Students Assessed	321	900	1310	
Examine & Question Examine evidence and its source and question the accuracy and the relevance	3.68	3.86		
Meet Guidelines Demonstrate the ability to integrate information to meet the assignment guidelines	3.69	3.89		
Question Assumptions Question assumptions	3.57	3.72		
Question Bias Consider own and others' biases	3.64	3.71		
Evaluate Results Evaluate results and consider the quality and relevance of the evidence	3.71	3.82		
The Problem Demonstrates the ability to identify and define the problem or question to be addressed within the context of this course			4.07	
Argument Clearly communicates the perspective, hypothesis, or position			3.92	
Data Presents, assesses, and analyzes appropriate supporting data/evidence/sources			3.87	

Questions	2015SS	2018FS	2021FS	
Assumptions Identifies and assesses the key assumptions, positions, and biases of self and /or others			3.83	
Conclusion Articulates conclusions, implications, implementations, and/or consequences clearly			3.97	
Overall	3.66	3.80	3.93	

What is the positivity rating for each area? (# of students scoring 3 or higher divided by the total students assessed)

Questions	2015SS	2018FS	2021FS	
# Students Assessed	321	900	1310	
Examine & Question Examine evidence and its source and question the accuracy and the relevance	88.5%	91.4%		
Meet Guidelines Demonstrate the ability to integrate information to meet the assignment guidelines	88.2%	92.0%		
Question Assumptions Question assumptions	85.8%	90.2%		
Question Bias Consider own and others' biases	87.9%	92.2%		
Evaluate Results Evaluate results and consider the quality and relevance of the evidence	87.5%	91.0%		
The Problem Demonstrates the ability to identify and define the problem or question to be addressed within the context of this course			93.5%	
Argument Clearly communicates the perspective, hypothesis, or position			90.7%	
Data Presents, assesses, and analyzes appropriate supporting data/evidence/sources			90.3%	
Assumptions Identifies and assesses the key assumptions, positions, and biases of self and /or others			90.5%	
Conclusion Articulates conclusions, implications, implementations, and/or consequences clearly			92.0%	
Overall	87.6%	91.4%	91.4%	

All

Critical Thinking Skill Level	Deficient 1	(2) 2	Acceptable 3	(4) 4	Exemplary 5	Total	Average Score
The Problem	15	70	217	517	491	1,310	4.07
Argument	17	103	272	476	422	1,290	3.92
Data	18	107	302	450	407	1,284	3.87
Assumptions	24	93	302	454	357	1,230	3.83
Conclusion	22	82	267	470	454	1,295	3.97
Overall	96	455	1360	2367	2131	6,409	3.93
Total	6,409						
Percentages	1.50%	7.10%	21.22%	36.93%	33.25%		

High School Locations Only

Critical Thinking Skill Level	Deficient 1	(2) 2	Acceptable 3	(4) 4	Exemplary 5	Total	Average Score
The Problem	2	23	123	268	236	652	4.09
Argument	3	46	156	248	188	641	3.89
Data	3	51	157	242	194	647	3.89
Assumptions	6	43	167	256	157	629	3.82
Conclusion	4	33	160	245	204	646	3.95
Overall	18	196	763	1259	979	3,215	3.93
Total	3,215						
Percentages	0.56%	6.10%	23.73%	39.16%	30.45%		

Traditional Locations

Critical Thinking Skill Level	Deficient 1	(2) 2	Acceptable 3	(4) 4	Exemplary 5	Total	Average Score
The Problem	13	47	94	249	255	658	4.04
Argument	14	57	116	228	234	649	3.94
Data	15	46	146	208	213	628	3.89
Assumptions	18	50	135	198	200	601	3.85
Conclusion	18	49	107	225	250	649	3.99
Overall	78	249	598	1108	1152	3,185	3.94
Total	3,185						
Percentages	2.45%	7.82%	18.78%	34.79%	36.17%		

Additional Data on Learning Outcomes

During the fall semester 2021FS, there were a total of 657 active sections for the identified courses, from which 472 sections were identified for the assessment. The unduplicated student count, randomly selected for assessment, equaled 1,570 representing 37% of the total student count of 4,156. Assessment were returned for 1,423 of the students (91%). Of these students, 1,310 had assessments data reported by instructor.

<i>Instructional Method</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
<i>CCP Dual Enrollment</i>	652	49.77%
<i>Independent Study</i>	2	0.15%
<i>Lecture Course</i>	94	7.18%
<i>Online Course</i>	408	31.15%
<i>Webflex</i>	154	11.76%
Grand Total	1310	100.00%

THE PROBLEM

INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	2			10	3	15
2	23		7	32	8	70
3	123		21	53	20	217
4	268	2	37	157	53	517
5	236		29	156	70	491
GRAND TOTAL	652	2	94	408	154	1310

THE PROBLEM

BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.31%	0.00%	0.00%	2.45%	1.95%	1.15%
2	3.53%	0.00%	7.45%	7.84%	5.19%	5.34%
3	18.87%	0.00%	22.34%	12.99%	12.99%	16.56%
4	41.10%	100.00%	39.36%	38.48%	34.42%	39.47%
5	36.20%	0.00%	30.85%	38.24%	45.45%	37.48%

THE ARGUMENT

INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	3		1	11	2	17
2	46		14	32	11	103
3	156	1	20	63	32	272
4	248	1	34	142	51	476
5	188		25	153	56	422

THE ARGUMENT

Breakdown of Student Score by Instructional Method

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.46%	0.00%	1.06%	2.70%	1.30%	1.30%
2	7.06%	0.00%	14.89%	7.84%	7.14%	7.86%
3	23.93%	50.00%	21.28%	15.44%	20.78%	20.76%
4	38.04%	50.00%	36.17%	34.80%	33.12%	36.34%
5	28.83%	0.00%	26.60%	37.50%	36.36%	32.21%

THE DATA

INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	3			11	4	18
2	51	1	11	32	12	107
3	157		25	84	36	302
4	242	1	30	133	44	450
5	194		28	131	54	407

THE DATA

BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.46%	0.00%	0.00%	2.70%	2.60%	1.37%
2	7.82%	50.00%	11.70%	7.84%	7.79%	8.17%
3	24.08%	0.00%	26.60%	20.59%	23.38%	23.05%
4	37.12%	50.00%	31.91%	32.60%	28.57%	34.35%
5	29.75%	0.00%	29.79%	32.11%	35.06%	31.07%

ASSUMPTIONS

INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	6			13	5	24
2	43	1	8	30	11	93
3	167		22	74	39	302
4	256	1	30	128	39	454
5	157		23	126	51	357

ASSUMPTIONS**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.92%	0.00%	0.00%	3.19%	3.25%	1.83%
2	6.60%	50.00%	8.51%	7.35%	7.14%	7.10%
3	25.61%	0.00%	23.40%	18.14%	25.32%	23.05%
4	39.26%	50.00%	31.91%	31.37%	25.32%	34.66%
5	24.08%	0.00%	24.47%	30.88%	33.12%	27.25%

CONCLUSIONS**INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	4		1	12	5	22
2	33	1	6	32	10	82
3	160		24	52	31	267
4	245	1	34	139	51	470
5	204		29	166	55	454

CONCLUSIONS**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.61%	0.00%	1.06%	2.94%	3.25%	1.68%
2	5.06%	50.00%	6.38%	7.84%	6.49%	6.26%
3	24.54%	0.00%	25.53%	12.75%	20.13%	20.38%
4	37.58%	50.00%	36.17%	34.07%	33.12%	35.88%
5	31.29%	0.00%	30.85%	40.69%	35.71%	34.66%

Instructional Method Findings

Instructional Method	Average of Overall Critical Thinking Skills
CCP Dual Enrollment	3.927
Independent Study	3.300
Lecture Course	3.833
Online Course	3.961
Webflex	3.956
Grand Total	3.933

Instructional Method	Number of Students Meeting the 3.5 Target
CCP Dual Enrollment	463
Independent Study	1
Lecture Course	62
Online Course	305
Webflex	111
Grand Total	942

Age Findings

<i>Age Bracket</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
25+	148	11.30%
High School	909	69.39%
Traditional	253	19.31%
Grand Total	1310	100.00%

<i>Age Bracket</i>	<i>Average of Overall Critical Thinking Skills</i>
25+	4.117
High School	3.931
Traditional	3.834
Grand Total	3.933

<i>Age Bracket</i>	<i>Number of Students Meeting the 3.5 Target</i>
25+	119
High School	654
Traditional	169
Grand Total	942

Race and Ethnicity Findings

<i>Race and Ethnicity</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
American/Alaska Native	11	0.84%
Asian	17	1.30%
Black or African American	19	1.45%
Hawaiian/Pacific Islander	3	0.23%
Hispanic/Latino	21	1.60%
Multiracial	33	2.52%
Unknown	27	2.06%
White	1179	90.00%
Grand Total	1310	100.00%

<i>Race and Ethnicity</i>	<i>Average of Overall Critical Thinking Skills</i>
American/Alaska Native	3.236
Asian	4.249
Black or African American	3.403
Hawaiian/Pacific Islander	4.533
Hispanic/Latino	3.733
Multiracial	3.679
Unknown	3.641
White	3.956
Grand Total	3.933

<i>Race and Ethnicity</i>	<i>Number of Students Meeting the 3.5 Target</i>	
<i>American/Alaska Native</i>	5	45.45%
<i>Asian</i>	15	88.23%
<i>Black or African American</i>	9	47.37%
<i>Hawaiian/Pacific Islander</i>	3	100.00%
<i>Hispanic/Latino</i>	15	71.43%
<i>Multiracial</i>	15	45.45%
<i>Unknown</i>	17	62.96%
<i>White</i>	863	73.20%
Grand Total	942	71.91%

Gender Findings

<i>Gender</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
<i>Female</i>	792	60.46%
<i>Male</i>	518	39.54%
Grand Total	1310	100.00%

<i>Gender</i>	<i>Average of Overall Critical Thinking Skills</i>	
<i>Female</i>	3.946	
<i>Male</i>	3.914	
Grand Total	3.933	

<i>Gender</i>	<i>Average of Overall Critical Thinking Skills</i>	
<i>Female</i>	574	72.47%
<i>Male</i>	368	71.04%
Grand Total	942	71.91%

Student Classification Findings

<i>Student Classification</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
<i>First Year Students</i>	889	67.86%
<i>Second Year Students</i>	421	32.14%
Grand Total	1310	100.00%

<i>Student Classification</i>	<i>Average of Overall Critical Thinking Skills</i>	
<i>First Year Students</i>	3.851	
<i>Second Year Students</i>	4.107	
Grand Total	3.933	

<i>Student Classification</i>	<i>Number of Students Meeting the 3.5 Target</i>	
<i>First Year Students</i>	607	68.28%
<i>Second Year Students</i>	335	79.57%
Grand Total	942	71.91%

First Generation Students Findings

<i>First Generation</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
No	289	22.06%
Unknown	854	65.19%
Yes	167	12.75%

<i>First Generation</i>	<i>Average of Overall Critical Thinking Skills</i>
No	3.931
Unknown	3.951
Yes	3.849
Grand Total	3.933

<i>First Generation</i>	<i>Number of Students Meeting the 3.5 Target</i>
No	209 72.32%
Unknown	623 72.95%
Yes	110 65.87%
Grand Total	942 71.91%

Subject Findings

Row Labels	Average of Overall Critical Thinking
ACC	4.22
1st Year Student	3.78
2nd Year Student	4.39
AGR	3.62
1st Year Student	2.87
2nd Year Student	3.84
ALH	3.59
1st Year Student	3.40
2nd Year Student	4.24
ANT	4.78
1st Year Student	4.40
2nd Year Student	4.83
ART	4.12
1st Year Student	3.98
2nd Year Student	4.72
ASL	3.33
1st Year Student	3.02
2nd Year Student	3.97
BIO	3.94
1st Year Student	3.88
2nd Year Student	4.06

BNK	4.44
1st Year Student	4.38
2nd Year Student	4.50
BUS	4.23
1st Year Student	4.16
2nd Year Student	4.31
CHM	3.62
1st Year Student	3.68
2nd Year Student	3.37
CIS	4.51
1st Year Student	3.00
2nd Year Student	4.70
COM	3.83
1st Year Student	3.70
2nd Year Student	4.24
CRJ	4.04
1st Year Student	3.96
2nd Year Student	4.15
CYB	4.20
2nd Year Student	4.20
ECE	4.20
1st Year Student	4.60
2nd Year Student	3.80

ECO	4.15
1st Year Student	4.33
2nd Year Student	4.06
EDU	2.87
1st Year Student	3.10
2nd Year Student	2.40
EGR	4.40
1st Year Student	4.65
2nd Year Student	4.20
ELT	3.60
1st Year Student	3.10
2nd Year Student	3.68
ENG	3.90
1st Year Student	3.85
2nd Year Student	4.12
FIN	3.56
1st Year Student	3.47
2nd Year Student	3.70
GLG	3.74
1st Year Student	3.68
2nd Year Student	3.92
HRM	5.00
2nd Year Student	5.00
HST	3.77
1st Year Student	3.73
2nd Year Student	4.16
HUM	3.69
1st Year Student	3.33
2nd Year Student	4.06
IMD	4.47
1st Year Student	4.00
2nd Year Student	4.56
IMT	3.75
1st Year Student	3.47
2nd Year Student	3.92
LEG	4.20
1st Year Student	3.40
2nd Year Student	5.00
MED	3.35
2nd Year Student	3.35

MET	3.83
1st Year Student	3.68
2nd Year Student	4.60
MGT	4.03
1st Year Student	4.20
2nd Year Student	4.00
MKT	3.00
2nd Year Student	3.00
MLT	3.50
2nd Year Student	3.50
MTH	3.95
1st Year Student	3.93
2nd Year Student	4.02
MUS	4.20
1st Year Student	4.06
2nd Year Student	4.40
NUR	4.45
2nd Year Student	4.45
PHI	3.83
1st Year Student	3.78
2nd Year Student	3.90
PHY	4.19
1st Year Student	4.21
2nd Year Student	4.05
PLB	4.48
1st Year Student	4.40
2nd Year Student	4.50
PLS	4.02
1st Year Student	4.03
2nd Year Student	3.87
POA	4.70
1st Year Student	4.70
PSY	4.24
1st Year Student	4.14
2nd Year Student	4.54
PTA	4.24
1st Year Student	4.80
2nd Year Student	4.18
REL	2.50
1st Year Student	2.40
2nd Year Student	2.65

SSV	3.86
1st Year Student	3.53
2nd Year Student	4.10
VET	2.47
1st Year Student	2.10
2nd Year Student	2.57
Grand Total	3.93

Academic Program Findings

The following is the average overall score based on what major a student is enrolled in

Row Labels	Average of Average Overall Score
Accounting AAB	4.24
1st Year Student	4.12
2nd Year Student	4.33
Accounting AAB: 25+ Fast Track	5.00
2nd Year Student	5.00
Accounting AS Degree - Advising Track	4.80
1st Year Student	4.80
Accounting Certificate	4.88
1st Year Student	4.70
2nd Year Student	5.00
Accounting Clerk Fast Track	2.80
1st Year Student	2.80
Agribusiness Certificate	3.00
1st Year Student	2.80
2nd Year Student	3.20
Agricultural Maintenance AAS	2.93
1st Year Student	2.70
2nd Year Student	3.40
Agriculture AAS	3.72
1st Year Student	3.38
2nd Year Student	4.02
AS - Pre-Veterinary Technician	3.34
1st Year Student	3.40
2nd Year Student	2.40
AS in Pre Medical Lab Tech	3.54
1st Year Student	3.49
2nd Year Student	3.75

AS in Pre Nursing LPN-ADN Transition	4.93
1st Year Student	5.00
2nd Year Student	4.90
AS in Pre Physical Therapist Assistant	3.92
1st Year Student	3.97
2nd Year Student	3.70
Associate of Technical Study	3.60
1st Year Student	3.60
Associate of Arts Degree	3.56
1st Year Student	3.55
2nd Year Student	3.63
Associate of Science - Pre-Nursing	3.98
1st Year Student	4.04
2nd Year Student	3.82
Associate of Science Degree	4.01
1st Year Student	3.94
2nd Year Student	4.11
Banking Certificate	3.20
1st Year Student	3.20
Basic Mechanical Short-Term Technical Certificate	3.50
1st Year Student	3.50
Biology AS - Advising Track	4.70
2nd Year Student	4.70
Business AAB Marketing Option	4.32
1st Year Student	4.13
2nd Year Student	4.60
Business AS Degree	3.72
1st Year Student	3.70
2nd Year Student	3.83
Business Management - Marketing Certificate	3.00
1st Year Student	3.00
Business Management AAB Business Management Option	4.02
1st Year Student	3.94
2nd Year Student	4.16
Business Management AAB Entrepreneurship Option	3.33
1st Year Student	3.38
2nd Year Student	2.80
Business Management AAB General Business Option	3.81
1st Year Student	3.57
2nd Year Student	4.53
Business Management AAB Human Resource Management Option	4.33

1st Year Student	4.00
2nd Year Student	4.52
Business Management Certificate	3.90
1st Year Student	3.90
Business Management General Business Certificate	4.17
1st Year Student	4.17
Business Pathway	4.00
2nd Year Student	4.00
Child Development Associate Credential (CDA)	4.30
1st Year Student	4.30
CIS Computer Information Systems Certificate	3.60
1st Year Student	3.00
2nd Year Student	4.80
CIS Programming Certificate	4.67
1st Year Student	4.67
CIT Cybersecurity AAB	4.40
2nd Year Student	4.40
CIT Systems Administrator AAB	1.00
1st Year Student	1.00
Clinical Laboratory Assistant Certificate	5.00
1st Year Student	5.00
College Credit Plus	3.97
1st Year Student	3.94
2nd Year Student	4.09
Computer Information Systems AAB: Business Systems	4.20
1st Year Student	3.60
2nd Year Student	4.50
Computer Information Systems AAB: Cybersecurity	3.24
1st Year Student	3.05
2nd Year Student	4.00
Computer Information Systems AAB: Network Administration	3.65
1st Year Student	3.65
Computer Information Systems AAB: Systems Administration	4.00
1st Year Student	3.90
2nd Year Student	4.04
Criminal Justice AAS Degree	3.86
1st Year Student	3.78
2nd Year Student	4.24
EAGLE Program Workforce Certificate	2.00
1st Year Student	2.00
Early Childhood Education AAS	3.59

1st Year Student	3.52
2nd Year Student	3.90
Education Associate of Arts	3.50
1st Year Student	3.50
Education Associate of Science	3.80
2nd Year Student	3.80
Electronics Engineering Tech AAS - Automation and Robotics	4.48
1st Year Student	4.83
2nd Year Student	3.80
Electronics Engineering Tech AAS, Electronics Transfer	3.56
1st Year Student	3.50
2nd Year Student	3.80
Electronics Engineering Technology AAS, Electro-Mechanical	3.63
1st Year Student	3.63
2nd Year Student	3.63
ELT Automation and Robotics Certificate	3.60
1st Year Student	3.60
ELT Electro Mechanical Certificate	4.60
2nd Year Student	4.60
Emergency Medical Technician Short-Term Technical Cert	3.50
1st Year Student	3.50
Engineering & Manufacturing Pathway	2.40
1st Year Student	1.40
2nd Year Student	3.40
English AA - Advising Track	4.40
2nd Year Student	4.40
Equip Maint AAS: Heating, Ventilation, Air Con & Refrig	2.80
1st Year Student	2.80
Equipment Maintenance Tech. Industrial Equipment Supervision	4.00
1st Year Student	4.00
Factory Automation Fast Track	5.00
1st Year Student	5.00
Fine Arts AA - Advising Track	4.28
1st Year Student	5.00
2nd Year Student	3.93
Health Sciences Pathway	3.70
1st Year Student	2.40
2nd Year Student	5.00
Human Resource Management Certificate	4.47
2nd Year Student	4.47
HVAC & Refrigeration Cert	4.20

2nd Year Student	4.20
IMT Industrial Operations AAS	4.10
1st Year Student	4.20
2nd Year Student	4.07
IMT Operations Technology AAS	4.20
2nd Year Student	4.20
IMT Operations Technology Certificate	2.80
1st Year Student	2.80
IMT Supply Chain Management Certificate	3.80
2nd Year Student	3.80
Interactive Media AAB: Graphic Design	4.05
1st Year Student	3.91
2nd Year Student	5.00
Interactive Media AAB: Web Design	4.40
2nd Year Student	4.40
Interactive Media AAB: Web Development	4.70
1st Year Student	5.00
2nd Year Student	4.40
Mathematics AS Degree - Advising Track	3.80
1st Year Student	3.80
Mechanical Engineering AAS Advanced Manufacturing	3.74
1st Year Student	4.38
2nd Year Student	3.10
Mechanical Engineering Tech AAS Mechanical Design	3.88
1st Year Student	3.81
2nd Year Student	4.00
Mechanical Engineering Tech Cert in Advanced Manu Sys	3.60
1st Year Student	3.60
Mechanical Transfer AAS	3.58
1st Year Student	3.10
2nd Year Student	3.90
Medical Assistant Certificate	3.74
1st Year Student	3.99
2nd Year Student	2.50
Medical Coder Certificate	4.33
2nd Year Student	4.33
Medical Laboratory Technician AAS	4.25
2nd Year Student	4.25
Non Credit B&I Only	5.00
1st Year Student	5.00
Non Degree Seeking	4.84

1st Year Student	4.80
2nd Year Student	4.88
Nursing AAS LPN Transition	4.10
2nd Year Student	4.10
Nursing AAS Registered	4.20
1st Year Student	3.30
2nd Year Student	4.27
Office Systems Adm Certificate Medical Office Support	5.00
2nd Year Student	5.00
Office Systems Administration AAB Administrative Asst	4.40
2nd Year Student	4.40
Paralegal Studies AAB	4.35
1st Year Student	4.20
2nd Year Student	4.50
Paramedic Certificate	3.83
1st Year Student	3.83
Phlebotomy Certificate	3.83
1st Year Student	2.93
2nd Year Student	4.50
Physical Therapist Assistant AAS Degree	4.32
1st Year Student	4.80
2nd Year Student	4.27
Pre-Nursing AAS	2.60
1st Year Student	2.60
Programming Fast Track	4.36
1st Year Student	4.20
2nd Year Student	5.00
Psychology AA - Advising Track	4.24
1st Year Student	4.25
2nd Year Student	4.20
Real Estate Certificate	3.67
1st Year Student	3.67
Real Estate Fast Track	2.60
1st Year Student	2.60
Social & Public Services Pathway	3.64
1st Year Student	3.30
2nd Year Student	5.00
Social Services AAS	3.95
1st Year Student	3.74
2nd Year Student	4.49
Systems Administration Certificate	3.00

1st Year Student	3.00
Tax Consultant Fast Track	4.00
1st Year Student	4.00
Transfer Module	4.70
1st Year Student	4.64
2nd Year Student	5.00
Veterinary Technology AAS	2.47
1st Year Student	2.10
2nd Year Student	2.57
Grand Total	3.93

Analysis of the Findings

Based on the reported results, are there positive indications for the general education component, and if so, what are they?

Based on the 2021FR data, the averages for comparison of dual credit (CCP) and traditional courses are within reasonable margins. All average scores are within 0.1 of each other, demonstrating skill levels of the students are relatively equal regardless of campus. With the change of rubrics based on the analysis of previous findings (which showed more focus for technical analysis was needed), more courses identified their ability to assess their students’ skill levels.

Overall abilities continue to increase since the original assessment findings in 2013. Students show good abilities to think critically with the strongest areas in identifying the problem and concluding findings. Positivity rates are also higher than in past semesters with only 10% of students not meeting acceptable levels of critical thinking skills.

When comparing first year to second year students, it was found that scores were higher, demonstrating their skills are being grown through their programs.

Based on the reported results, are there negative indications for the general education component in comparison to past assessments, and if so, what are they?

The data shows that the majority of those who scored a 1 (Lack of understanding) were primarily online students. This was found in all areas of the learning objectives. However, the students were still overall able to meet the 3.5 target when averaging all their scores. Students in lecture courses struggled the most to meet the target score.

It is also noted that African Americans tended to have the lowest overall scores for their critical thinking skills compared to other demographics. This is something that should be explored to

determine how to help them. It was also found that first generation students were less likely to meet the 3.5 overall target as compared to students whose parents' attended college.

While biasness and assumptions analysis are still high, the abilities of students have not changed. It remains the lowest skill of the students for critical thinking.

What interventions or changes from the previous assessment cycle were applied, and what were the results?

Intervention/Change	Effect/Results
Assess and evaluate the rubric to address courses stating they can't use the rubric	New rubric created, increased the number of courses to include over 90% of classes that have a critical thinking component

Action Plan

What outcomes need improvement as indicated in this year's results? What interventions are planned for the next assessment cycle? What results do you anticipate as expressed in measurable terms?

Outcome Needing Improvement	Planned Intervention/Change	Target Measurable Goal
Teacher Training on Assessment	Create training on how to assess critical thinking to study if this affects their ability to score students.	Increase understanding to 90%

It is hopeful that as new training for teachers is completed, it will help better assess the students to help develop co-curricular or curriculum support for classes with Critical Thinking components.

General Education Assessment Report

General Education Component	Inquiry
Coordinator	Assessment Committee
Academic Year:	2021-2022
Report Summary	Dr. Amanda Bylczyński

Student Learning Objectives

1. Identify the most appropriate issue for assignment and effectively focus on it
2. Demonstrate strong interest in finding the best results and coming to the most convincing conclusions
3. Evaluate results and consider the quality and relevance of the evidence
4. Identify the best method of inquiry for the assignment and discipline
5. Apply method of inquiry to the assignment effectively

Learning Outcome Findings

Questions	2015FS	2015SS	2016FS	2018SS	2021SS
# Students Assessed	220	284	467	391	678
Identify the Issue Identify the most appropriate issue for assignment and effectively focus on it	3.85	3.70	3.81	4.02	4.04
Finding Results Demonstrate strong interest in finding the best results and coming to the most convincing conclusions	3.81	3.65	3.79	3.95	3.95
Evaluating Results Evaluate results and consider the quality and relevance of the evidence	3.81	3.58	3.76	3.76	3.90
Method of Inquiry Identify the best method of inquiry for the assignment and discipline	3.80	3.66	3.81	3.87	3.93
Application Apply method of inquiry to the assignment effectively	3.74	3.69	3.75	3.86	3.97
Overall	3.80	3.65	3.78	3.89	3.96

What is the positivity rating for each area? (# of students scoring 3 or higher divided by the total students assessed)

Questions	2015FS	2015SS	2016FS	2018SS	2021SS
# Students Assessed	220	284	467	391	678
Identify the Issue Identify the most appropriate issue for assignment and effectively focus on it	87.73%	83.10%	87.34%	92.33%	91.74%

Questions	2015FS	2015SS	2016FS	2018SS	2021SS
Finding Results Demonstrate strong interest in finding the best results and coming to the most convincing conclusions	86.82%	83.45%	86.46%	90.28%	89.23%
Evaluating Results Evaluate results and consider the quality and relevance of the evidence	87.50%	80.63%	86.94%	87.47%	89.36%
Method of Inquiry Identify the best method of inquiry for the assignment and discipline	89.09%	82.12%	88.12%	90.08%	90.03%
Application Apply method of inquiry to the assignment effectively	86.36%	83.45%	84.40%	89.51%	90.12%
Overall	87.50%	82.55%	86.64%	89.93%	90.10%

All Students

Inquiry Skill Level	Deficient	(2)	Acceptable	(4)	Exemplary	Total	Average Score
	1	2	3	4	5		
Identify the Issue	21	35	115	235	272	678	4.04
Finding Results	28	45	116	234	255	678	3.95
Evaluating Results	27	45	129	241	235	677	3.90
Method of Inquiry	24	43	125	246	234	672	3.93
Application	23	44	120	234	257	678	3.97
Overall	123	212	605	1,190	1,253	3,383	3.96
Averages	3.64%	6.27%	17.88%	35.18%	37.04%		

High School Locations Only

Inquiry Skill Level	Deficient	(2)	Acceptable	(4)	Exemplary	Total	Average Score
	1	2	3	4	5		
Identify the Issue	1	5	43	83	81	213	4.12
Finding Results	1	14	45	80	73	213	3.99
Evaluating Results	2	10	52	86	63	213	3.93
Method of Inquiry	2	10	44	87	70	213	4.00
Application	2	9	45	81	76	213	4.03
Overall	8	48	229	417	363	1,065	4.01
Total	1,065						
Averages	0.24%	1.42%	6.77%	12.33%	10.73%		

Traditional Locations

Inquiry Skill Level	Deficient 1	(2) 2	Acceptable 3	(4) 4	Exemplary 5	Total	Average Score
Identify the Issue	20	30	72	152	191	465	4.00
Finding Results	27	31	71	154	182	465	3.93
Evaluating Results	25	35	77	155	172	464	3.89
Method of Inquiry	22	33	81	159	164	459	3.89
Application	21	35	75	153	181	465	3.94
Overall	115	164	376	773	890	2,318	3.93
Total	2,318						
Averages	3.40%	4.85%	11.11%	22.85%	26.31%		

Additional Data on Learning Outcomes

During the spring semester (2021SS), there were a total of 664 active sections for the identified courses, from which 369 sections were identified for the assessment. The unduplicated student count, randomly selected for assessment, equaled 800 representing 30% of the total student count of 2,668. Assessments were returned for 743 of the students (93%). Of these students, 678 had assessments data reported by instructor.

<i>Instructional Method</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
<i>CCP Dual Enrollment</i>	213	22.19%
<i>Independent Study</i>	1	0.17%
<i>Lecture Course</i>	69	10.47%
<i>Online Course</i>	270	45.42%
<i>Webflex</i>	125	21.76%
Grand Total	678	100.00%

IDENTIFY THE ISSUE

INSTRUCTIONAL METHOD

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	1		1	16	3	21
2	5		9	15	6	35
3	43		11	39	22	115
4	83		20	96	36	235
5	81	1	28	104	58	272
GRAND TOTAL	213	1	69	270	125	678

IDENTIFY THE ISSUE**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.47%	0.00%	1.45%	5.93%	2.40%	3.10%
2	2.35%	0.00%	13.04%	5.56%	4.80%	5.16%
3	20.19%	0.00%	15.94%	14.44%	17.60%	16.96%
4	38.97%	0.00%	28.99%	35.56%	28.80%	34.66%
5	38.03%	100.00%	40.58%	38.52%	46.40%	40.12%

FINDING RESULTS**INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	1		2	21	4	28
2	14		5	18	8	45
3	45		11	37	23	116
4	80		24	96	34	234
5	73	1	27	98	56	255

FINDING RESULTS**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.47%	0.00%	2.90%	7.78%	3.20%	4.13%
2	6.57%	0.00%	7.25%	6.67%	6.40%	6.64%
3	21.13%	0.00%	15.94%	13.70%	18.40%	17.11%
4	37.56%	0.00%	34.78%	35.56%	27.20%	34.51%
5	34.27%	100.00%	39.13%	36.30%	44.80%	37.61%

EVALUATING RESULTS**INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	2		3	19	3	27
2	10		6	18	11	45
3	52		14	43	20	129
4	86		23	97	35	241
5	2		3	19	3	27

EVALUATING RESULTS**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.94%	0.00%	4.35%	7.04%	2.40%	3.98%
2	4.69%	0.00%	8.70%	6.67%	8.80%	6.64%
3	24.41%	0.00%	20.29%	15.93%	16.00%	19.03%
4	40.38%	0.00%	31.88%	35.93%	28.00%	35.40%
5	29.58%	100.00%	33.33%	34.44%	44.00%	34.66%

METHOD OF INQUIRY**INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	2		2	17	3	24
2	10		7	18	8	43
3	44		15	42	24	125
4	87		20	105	34	246
5	70	1	25	87	51	234

METHOD OF INQUIRY**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	0.94%	0.00%	2.90%	6.30%	2.40%	3.54%
2	4.69%	0.00%	10.14%	6.67%	6.40%	6.34%
3	20.66%	0.00%	20.29%	15.56%	19.20%	18.29%
4	40.85%	0.00%	28.99%	38.89%	27.20%	36.28%
5	32.86%	100.00%	36.23%	32.22%	40.80%	34.51%

APPLICATION**INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex Course	Grand Total
1	2		2	17	2	23
2	9		7	15	13	44
3	45		14	45	16	120
4	81		20	92	41	234
5	76	1	26	101	53	257

APPLICATION**BREAKDOWN OF STUDENT SCORE BY INSTRUCTIONAL METHOD**

STUDENT SCORE	CCP Dual Enrollment	Independent Study	Lecture Course	Online Course	Webflex	Grand Total
1	0.94%	0.00%	2.90%	6.30%	1.60%	3.39%
2	4.23%	0.00%	10.14%	5.56%	10.40%	6.49%
3	21.13%	0.00%	17.39%	16.67%	12.80%	17.40%
4	38.03%	0.00%	28.99%	34.07%	32.80%	34.51%
5	35.68%	100.00%	37.68%	37.41%	42.40%	37.91%

Instructional Method Findings

Instructional Method	Average of Overall Inquiry Skills
CCP Dual Enrollment	4.013
Independent Study	5.000
Lecture Course	3.907
Online Course	3.879
Webflex	4.046
Grand Total	3.957

Instructional Method	Number of Students Meeting the 3.5 Target	
CCP Dual Enrollment	159	74.65%
Independent Study	1	100%
Lecture Course	48	69.57%
Online Course	190	70.37%
Webflex	88	70.40%
Grand Total	486	71.68%

Age Findings

Age Bracket	Count of Students Assessed	Percentage of Grand Total
25+	121	19.22%
High School	385	51.72%
Traditional	172	29.05%
Grand Total	678	100.00%

Age Bracket	Average of Overall Inquiry Skills
25+	4.126
High School	3.978
Traditional	3.790
Grand Total	3.957

Age Bracket	Number of Students Meeting the 3.5 Target	
25+	87	71.90%
High School	288	74.81%
Traditional	111	64.53%
Grand Total	486	71.68%

Race and Ethnicity Findings

Race and Ethnicity	Count of Students Assessed	Percentage of Grand Total
American/Alaska Native	1	0.00%
Asian	9	1.07%
Black or African American	15	2.51%
Hawaiian/Pacific Islander	2	0.32%
Hispanic/Latino	12	1.78%
Multiracial	17	2.94%
Unknown	21	3.00%
White	601	88.40%
Grand Total	678	100.00%

Race and Ethnicity	Average of Overall Inquiry Skills
American/Alaska Native	5.000
Asian	4.044
Black or African American	3.693
Hawaiian/Pacific Islander	3.900
Hispanic/Latino	3.817
Multiracial	3.482
Unknown	4.150
White	3.973
Grand Total	3.957

Race and Ethnicity	Number of Students Meeting the 3.5 Target	
American/Alaska Native	1	100.00%
Asian	7	77.78%
Black or African American	9	60.00%
Hawaiian/Pacific Islander	1	50.00%
Hispanic/Latino	5	41.67%
Multiracial	9	52.94%
Unknown	16	76.19%
White	438	72.88%
Grand Total	486	71.68%

Gender Findings

Gender	Count of Students Assessed	Percentage of Grand Total
Female	446	66.54%
Male	232	33.46%
Grand Total	678	100.00%

<i>Gender</i>	<i>Average of Overall Inquiry Skills</i>
<i>Female</i>	4.020
<i>Male</i>	3.835
Grand Total	3.957

<i>Gender</i>	<i>Count of Students Assessed</i>	<i>Average of Overall Inquiry Skills</i>
<i>Female</i>	327	73.32%
<i>Male</i>	159	68.53%
Grand Total	486	71.68%

Student Classification Findings

<i>Student Classification</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
<i>First Year Students</i>	369	55.00%
<i>Second Year Students</i>	309	45.00%
Grand Total	678	100.00%

<i>Student Classification</i>	<i>Average of Overall Inquiry Skills</i>
<i>First Year Students</i>	3.837
<i>Second Year Students</i>	4.099
Grand Total	3.957

<i>Student Classification</i>	<i>Number of Students Meeting the 3.5 Target</i>
<i>First Year Students</i>	249
<i>Second Year Students</i>	237
Grand Total	486

First Generation Students Findings

<i>First Generation</i>	<i>Count of Students Assessed</i>	<i>Percentage of Grand Total</i>
<i>No</i>	212	35.09%
<i>Unknown</i>	358	47.79%
<i>Yes</i>	108	17.12%
Grand Total	678	100.00%

<i>First Generation</i>	<i>Average of Overall Inquiry Skills</i>
<i>No</i>	3.904
<i>Unknown</i>	3.973
<i>Yes</i>	4.004
Grand Total	3.957

<i>First Generation</i>	<i>Number of Students Meeting the 3.5 Target</i>	
No	140	66.08%
Unknown	269	75.14%
Yes	77	71.30%
Grand Total	486	71.68%

Subject Area Findings

Row Labels	Average of Overall Score
ACC	4.425
1st Year Student	5.000
2nd Year Student	4.343
AGR	3.477
1st Year Student	4.000
2nd Year Student	3.320
ANT	4.400
1st Year Student	4.333
2nd Year Student	4.500
ART	3.764
1st Year Student	3.225
2nd Year Student	4.071
ASL	3.758
1st Year Student	3.663
2nd Year Student	4.267
BIO	3.754
1st Year Student	3.598
2nd Year Student	3.880
BNK	3.700
1st Year Student	3.700
BUS	4.117
1st Year Student	4.090
2nd Year Student	4.158
CHM	3.926
1st Year Student	3.714
2nd Year Student	4.520
CIS	4.933
1st Year Student	5.000
2nd Year Student	4.800
COM	3.681
1st Year Student	3.594
2nd Year Student	3.792

CRJ	3.545
1st Year Student	3.000
2nd Year Student	3.600
ECE	3.971
1st Year Student	3.450
2nd Year Student	4.667
EDU	4.000
1st Year Student	3.100
2nd Year Student	4.360
EGR	3.960
1st Year Student	3.400
2nd Year Student	4.333
ENG	3.763
1st Year Student	3.668
2nd Year Student	4.024
FIN	4.133
2nd Year Student	4.133
GEO	3.700
2nd Year Student	3.700
GLG	5.000
2nd Year Student	5.000
HRM	4.333
2nd Year Student	4.333
HST	4.250
1st Year Student	4.136
2nd Year Student	4.657
HUM	4.000
1st Year Student	3.371
2nd Year Student	4.367
IMT	5.000
2nd Year Student	5.000
LEG	5.000
2nd Year Student	5.000

MED	4.433	PLB	4.100
2nd Year Student	4.433	1st Year Student	4.333
MFG	4.100	2nd Year Student	3.867
1st Year Student	3.800	PLS	3.966
2nd Year Student	4.400	1st Year Student	3.933
MLT	4.689	2nd Year Student	4.120
2nd Year Student	4.689	PSY	3.980
MTH	3.795	1st Year Student	3.966
1st Year Student	3.540	2nd Year Student	4.067
2nd Year Student	3.886	PTA	5.000
MUS	4.467	2nd Year Student	5.000
1st Year Student	5.000	REL	3.600
2nd Year Student	4.400	1st Year Student	3.467
NUR	4.588	2nd Year Student	3.733
2nd Year Student	4.588	SOC	4.215
PHI	3.941	1st Year Student	4.194
1st Year Student	4.083	2nd Year Student	4.314
2nd Year Student	3.600	SSV	4.150
PHY	3.862	1st Year Student	5.000
1st Year Student	4.200	2nd Year Student	4.029
2nd Year Student	3.711	VET	1.900
		1st Year Student	2.600
		2nd Year Student	1.200
		Grand Total	3.957

Academic Program Findings

The following is the average overall score based on what major a student is enrolled in

Row Labels	Average of Overall Score
Accounting AAB	4.636
1st Year Student	4.514
2nd Year Student	4.850
Accounting AAB: 25+ Fast Track	3.750
1st Year Student	4.000
2nd Year Student	3.667
Accounting Clerk Fast Track	3.800
2nd Year Student	3.800
Advanced Manufacturing Short-Term Technical Cert	3.200
1st Year Student	3.200
Agribusiness Certificate	3.400
2nd Year Student	3.400

Agriculture AAS	3.914
1st Year Student	4.125
2nd Year Student	3.633
AS - Pre-Veterinary Technician	3.133
1st Year Student	3.133
AS in Pre Medical Lab Tech	3.950
1st Year Student	3.700
2nd Year Student	4.700
AS in Pre Nursing LPN-ADN Transition	2.933
1st Year Student	3.200
2nd Year Student	2.400
AS in Pre Physical Therapist Assistant	3.945
1st Year Student	3.860
2nd Year Student	4.800
Associate of Arts Degree	3.788
1st Year Student	3.538
2nd Year Student	4.150
Associate of Science - Pre-Nursing	4.085
1st Year Student	3.871
2nd Year Student	4.374
Associate of Science Degree	3.983
1st Year Student	3.728
2nd Year Student	4.110
ATS - Welding	3.400
2nd Year Student	3.400
Aviation AAS: Professional Pilot	3.800
1st Year Student	3.600
2nd Year Student	4.200
Biology AS - Advising Track	4.000
1st Year Student	4.000
Business AAB Marketing Option	4.133
1st Year Student	4.350
2nd Year Student	3.700
Business AS Degree	4.057
1st Year Student	4.057
Business Management - Marketing Certificate	3.000
1st Year Student	3.000
Business Management AAB Business Management Option	4.276
1st Year Student	3.625
2nd Year Student	4.677

Business Management AAB Entrepreneurship Option	3.743
1st Year Student	3.840
2nd Year Student	3.500
Business Management AAB General Business Option	3.789
1st Year Student	4.138
2nd Year Student	2.880
Business Management AAB Human Resource Management Option	3.950
1st Year Student	5.000
2nd Year Student	3.600
Business Management Certificate	3.000
1st Year Student	3.000
Business Management General Business Certificate	4.467
1st Year Student	4.467
Business Management, Administrative Specialist Certificate	5.000
1st Year Student	5.000
Child Development Associate Credential (CDA)	3.533
1st Year Student	3.533
CIS Computer Information Systems Certificate	5.000
1st Year Student	5.000
College Credit Plus	4.004
1st Year Student	3.958
2nd Year Student	4.081
Computer Information Systems AAB: Business Systems	3.800
2nd Year Student	3.800
Computer Information Systems AAB: Cybersecurity	3.500
1st Year Student	3.500
Criminal Justice AAS Degree	3.830
1st Year Student	3.978
2nd Year Student	3.709
Criminal Justice AAS Degree: 25+ Fast Track	2.400
2nd Year Student	2.400
CRJ Computer Forensics AAS	5.000
2nd Year Student	5.000
Early Childhood Education AAS	3.800
1st Year Student	3.733
2nd Year Student	3.920
Education Associate of Arts	4.000
2nd Year Student	4.000
Electronics Engineering Tech AAS - Automation and Robotics	3.633
1st Year Student	3.000
2nd Year Student	3.950

Electronics Engineering Tech AAS, Electronics Transfer	4.400
2nd Year Student	4.400
Electronics Engineering Technology AAS, Electro-Mechanical	3.927
1st Year Student	3.950
2nd Year Student	3.867
Entrepreneurship Certificate	4.000
1st Year Student	4.000
Equip Maint AAS: Heating, Ventilation, Air Con & Refrig	4.600
2nd Year Student	4.600
Fine Arts AA - Advising Track	4.000
2nd Year Student	4.000
Health Sciences Pathway	3.000
1st Year Student	1.000
2nd Year Student	5.000
Human Resource Management Certificate	4.000
2nd Year Student	4.000
Interactive Media AAB: Graphic Design	4.000
1st Year Student	4.000
Interactive Media AAB: Web Design	3.700
2nd Year Student	3.700
Interactive Media AAB: Web Development	4.000
2nd Year Student	4.000
Mechanical Engineering AAS Advanced Manufacturing	3.800
2nd Year Student	3.800
Mechanical Engineering Tech AAS Mechanical Design	3.632
1st Year Student	3.475
2nd Year Student	4.050
Mechanical Engineering Tech Cert in Advanced Manu Sys	4.600
1st Year Student	4.600
Mechanical Transfer AAS	3.750
2nd Year Student	3.750
Medical Assistant Certificate	3.700
1st Year Student	3.300
2nd Year Student	4.100
Medical Coder Certificate	4.160
1st Year Student	3.200
2nd Year Student	4.800
Medical Laboratory Technician AAS	4.650
2nd Year Student	4.650
Medical Scribe Short-Term Technical Certificate	4.800
2nd Year Student	4.800

MET Certificate in CAD/CAE	3.700
1st Year Student	4.200
2nd Year Student	3.200
Non Degree Seeking	4.067
1st Year Student	4.067
Nursing AAS LPN Transition	4.550
2nd Year Student	4.550
Nursing AAS Registered	4.412
2nd Year Student	4.412
Paralegal Post Baccalaureate Certificate	3.900
2nd Year Student	3.900
Paralegal Studies AAB	4.600
1st Year Student	4.500
2nd Year Student	4.800
Paramedic Certificate	3.000
1st Year Student	3.000
Phlebotomy Certificate	4.333
1st Year Student	4.333
Physical Therapist Assistant AAS Degree	4.600
2nd Year Student	4.600
Programming Fast Track	3.400
1st Year Student	3.400
Real Estate Certificate	4.000
1st Year Student	4.000
Social Services AAS	3.289
1st Year Student	3.709
2nd Year Student	2.629
Transfer Module	4.300
1st Year Student	4.300
Undeclared	5.000
2nd Year Student	5.000
Veterinary Technology AAS	3.160
1st Year Student	2.800
2nd Year Student	3.400
Grand Total	3.957

Analysis of the Findings

Based on the reported results, are there positive indications for the general education component, and if so, what are they?

Skills of the students assessed continue to show growth across all areas. All areas show a positivity rating of 89% or higher, meaning 89% of students were within the acceptable range for skill levels in their courses.

Both Evaluating Results and Finding Results had more than 10% of students scoring as deficient and below acceptable in their skills. Courses with the greatest number of students reported as not acceptable skill level were common 1st semester courses including COM, ENG, and MTH. (See subject area data on page 6). While these had larger number of students not meeting the skill level expected, this does show that growth is occurring as courses in the later semesters of the guided pathway maps show higher skill levels.

The overall skill level for positivity ratings continues to rise; increasing into the 90% area for the first time since assessment began. Evaluating Results, while still the lowest score of all skills assessed, increased in the number of students assessed at acceptable or above levels moving from 87.5% in 2018SS to 89.4% in 2021SS.

When analyzing the changes over the last 6 years, Application has made the greatest progress in student skill level increasing by 0.23 followed by Identify the Issue at 0.19. Identify the Issue is the only skill level that has surpassed 4.0 out of 5.0 possible.

The breakdown of student demographics shows that students in their second year of college have higher scores, which can indicate that skills are increasing as they go through college.

Based on the reported results, are there negative indications for the general education component, and if so, what are they?

Evaluating results continues to be the lowest skill of students. While there was a growth of 0.14 since 2018, it has not risen above 3.9. Both Evaluating Results and Finding Results had more than 10% of students scoring as deficient and below acceptable in their skills. Finding Results had the lowest with 10.77% of all assessed students not meeting this skill level.

Three skill levels saw a decrease in the positivity rating from 2018SS to 2021SS of students who were rated as exercising “acceptable to exemplary” skills. This includes Identifying the issue which dropped 0.59%, Finding Results which dropped 1.05%, and Method of Inquiry, which dropped 0.5% since 2018SS.

African American students are more likely to struggle with these skills than white students. This is something to be looked at for equity improvements. Also, the majority of students who were identified showing an understanding of skills were online students.

What interventions or changes from the previous assessment cycle were applied, and what were the results?

Intervention/Change	Effect/Results
N/A	None completed in the past

Action Plan

What outcomes need improvement as indicated in this year's results? What interventions are planned for the next assessment cycle? What results do you anticipate as expressed in measurable terms?

Outcome Needing Improvement	Planned Intervention/Change	Target Measurable Goal
Teacher Training on Assessment	Create training on how to assess Inquiry to study if this affects their ability to score students.	Increase understanding to 90%

It is hopeful that as new training for teachers is completed, it will help better assess the students to help develop co-curricular or curriculum support for classes with Inquiry components.

General Education Assessment Report

General Education Component	Mathematics
Coordinator	Dr. Brian Murphy
Academic Year:	2021-2022
Report Summary	Dr. Amanda Bylczynski

Student Learning Objectives

Outcome 1: Demonstrate critical thinking skills in a skills problem.
Outcome 2: Apply math in the practical world in a story problem

Are the learning outcomes being met? (Out of 3 points)

Questions	2021SS	2022FS	2022SS
# Students Assessed	209		
Demonstrate critical thinking skills in a skills problem	1.93		
Apply math in the practical world in a story problem	2.06		
Overall Average	2.00		

What is the positivity rating for each area? (# of students scoring 2 or higher divided by the total students assessed)

Questions	2021SS	2022FS	2022SS
# Students Assessed	209		
Demonstrate critical thinking skills in a skills problem	66.5%		
Apply math in the practical world in a story problem	71.4%		
Overall Average	68.4%		

2021SS FINDINGS

During the spring semester (2021SS), there were a total of 23 active sections for the identified assessment. 209 Students were enrolled and assessed.

Inquiry Skill Level	0 = Little or no apparent knowledge of the topic (struggling to know where to start),	1 = Developing (can start but not finish or easily finish)	2 = Proficient (Understands the concepts but made minor errors	3= Exemplary (no problems)	Total	Average Score
Demonstrate critical thinking skills in a skills problem	35	35	48	91	209	1.93
Apply math in the practical world in a story problem	39	20	30	117	209	2.03
Averages	17.7%	26.3%	37.3%	49.8%		

Inquiry Skill Level	0 = Little or no apparent knowledge of the topic (struggling to know where to start),	1 = Developing (can start but not finish or easily finish)	2 = Proficient (Understands the concepts but made minor errors	3= Exemplary (no problems)	Total	Average Score
<i>Objective: Demonstrate critical thinking skills in a skills problem</i>						
MTH 115S	2	0	0	3	5	1.80
MTH 120S	1	2	4	4	11	2.00
MTH 122S	1	14	8	7	30	2.55
MTH 123S	1	4	3	4	12	1.83
MTH 125S	25	11	20	62	118	2.01
MTH 128S	2	3	7	4	16	1.81
MTH 221S	0	0	2	3	5	2.60
MTH 222S	3	0	1	2	6	1.33
MTH 226S	0	1	3	2	6	2.17
Overall	35	35	48	91	209	1.93
<i>Objective: Apply math in the practical world in a story problem</i>						
MTH 115S	3	0	0	2	5	1.20
MTH 120S	0	4	3	4	11	2.00
MTH 122S	0	2	0	28	30	2.93
MTH 123S	1	2	4	5	12	2.08
MTH 125S	31	7	13	64	118	1.91
MTH 128S	0	3	6	6	16	2.06
MTH 221S	0	1	2	2	5	2.20
MTH 222S	3	0	1	2	6	1.33
MTH 226S	0	0	2	4	6	2.67
Overall	39	20	30	117	206	2.03

RESULT ANALYSIS

Based on the reported results, are there positive indications for the general education component, and if so, what are they?

A positive indication was that the average assessment score of both outcomes for all sections was 2. An assessment of 2 indicates the student attained the outcome with proficiency though minor errors were found in the student's work.

Based on the reported results, are there negative indications for the general education component, and if so, what are they?

Assessment scores for some courses came in low. However, the sample size for these classes in this survey were too low to make conclusions for individual courses.

What interventions or changes from the previous assessment cycle were applied, and what were the results?

Intervention/Change	Effect/Results
N/A	

Appendices: Additional Data

General Education: Critical Thinking Data by Course: 2021FS

The Problem	ACC		AGR		ALH		ANT		ART		ASL		BIO		BNK		BUS		CHM		CIS		COM		CRJ			
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
Deficient	1	4.22%		0.00%	1	7.60%		0.00%		0.00%	1	4.57%	1	1.17%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)	1	4.23%	1	5.38%	2	15.20%		0.00%		0.00%	1	4.58%	5	4.98%		0.00%	2	2.70%	8	14.85%		0.00%	6	8.54%		0.00%		
Acceptable	2	3.23%	3	16.26%	1	7.61%		0.00%	5	18.46%	6	33.86%	21	14.39%		0.00%	8	15.56%	20	34.29%	1	7.10%	10	15.73%	2	24.28%		
(4)	17	46.87%	7	57.66%	4	28.46%		25.03%	6	21.63%	2	9.15%	62	39.15%	2	49.12%	19	34.21%	19	28.99%	2	28.65%	32	53.25%	4	42.37%		
Exemplary	20	41.45%	2	20.70%	5	41.14%		6	74.97%	16	59.91%	8	47.83%	50	40.31%	2	50.88%	22	47.54%	18	21.87%	6	64.25%	16	22.48%	3	33.35%	
Grand Total	41	100.00%	13	100.00%	13	100.00%	8	100.00%	27	100.00%	18	100.00%	139	100.00%	4	100.00%	51	100.00%	65	100.00%	9	100.00%	64	100.00%	9	100.00%		

Argument	ACC		AGR		ALH		ANT		ART		ASL		BIO		BNK		BUS		CHM		CIS		COM		CRJ			
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
Deficient	1	4.22%		0.00%	1	7.60%		0.00%		0.00%	1	4.57%	2	1.41%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)	1	4.23%	3	16.21%	2	15.20%		0.00%	2	6.81%	3	13.73%	4	2.86%		0.00%	3	4.96%	19	34.90%		0.00%	8	12.04%		0.00%		
Acceptable	6	7.89%	3	16.22%	1	7.61%		0.00%	5	18.69%	6	33.87%	38	24.75%		0.00%	7	13.81%	15	21.05%	1	7.10%	10	15.47%		0.00%		
(4)	17	50.08%	5	46.87%	1	3.38%		37.49%	7	23.49%	3	14.35%	55	34.61%	2	49.12%	18	30.26%	17	22.67%	2	28.65%	27	45.15%	7	75.72%		
Exemplary	16	33.58%	2	20.70%	1	7.63%		62.51%	13	51.01%	5	33.48%	40	36.38%	2	50.88%	23	50.97%	14	21.37%	6	64.25%	19	27.35%	2	24.28%		
N/A		0.00%		0.00%	7	58.59%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		
Grand Total	41	100.00%	13	100.00%	13	100.00%	8	100.00%	27	100.00%	18	100.00%	139	100.00%	4	100.00%	51	100.00%	65	100.00%	9	100.00%	64	100.00%	9	100.00%		

Data	ACC		AGR		ALH		ANT		ART		ASL		BIO		BNK		BUS		CHM		CIS		COM		CRJ	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	7.60%		0.00%		0.00%	2	9.15%	2	1.70%		0.00%		0.00%		0.00%		0.00%	1	2.25%		0.00%
(2)	1	2.54%	3	16.23%	2	15.20%		0.00%	1	4.12%	7	36.46%	8	3.95%		0.00%	2	2.70%	10	16.48%		0.00%	5	6.41%		0.00%
Acceptable	2	1.41%	2	10.80%	3	19.35%		0.00%	7	25.54%	5	27.56%	33	22.26%		0.00%	8	18.26%	20	32.30%	2	21.40%	18	24.11%	2	24.21%
(4)	13	21.04%	5	41.91%	3	25.11%		37.49%	9	28.42%	0	0.00%	52	34.91%		0.00%	17	26.55%	16	22.81%	1	14.33%	25	47.54%	5	51.47%
Exemplary	16	36.97%	3	31.06%	4	32.75%		62.51%	10	41.91%	4	26.83%	44	37.18%		0.00%	24	52.49%	19	28.40%	6	64.27%	15	19.69%	2	24.31%
N/A	9	38.04%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	4	100.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Grand Total	41	100.00%	13	100.00%	13	100.00%	8	100.00%	27	100.00%	18	100.00%	139	100.00%	4	100.00%	51	100.00%	65	100.00%	9	100.00%	64	100.00%	9	100.00%

Assumptions	ACC		AGR		ALH		ANT		ART		ASL		BIO		BNK		BUS		CHM		CIS		COM		CRJ	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	7.60%		0.00%		0.00%	4	18.30%	3	2.58%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%	1	5.38%	2	15.20%		0.00%	2	8.25%	1	4.57%	8	6.16%		0.00%	3	4.96%	12	24.66%		0.00%	5	4.87%		0.00%
Acceptable	5	5.34%	6	32.47%	2	10.99%		0.00%	6	23.31%	5	31.36%	31	18.52%		0.00%	8	16.27%	19	25.51%	2	21.40%	26	49.23%	2	24.26%
(4)	8	17.93%	4	41.45%		0.00%		0.00%	6	18.46%	2	9.38%	49	32.38%	3	74.78%	10	11.57%	21	29.16%	1	14.35%	18	25.53%	6	63.62%
Exemplary	19	38.68%	2	20.70%	1	7.63%		100.00%	8	31.84%	6	36.38%	35	29.89%	1	25.22%	22	43.79%	13	20.67%	6	64.25%	15	20.36%	1	12.12%
N/A	9	38.04%		0.00%	7	58.59%		0.00%	5	18.14%		0.00%	13	10.47%		0.00%	8	23.40%		0.00%		0.00%		0.00%		0.00%
Grand Total	41	100.00%	13	100.00%	13	100.00%	8	100.00%	27	100.00%	18	100.00%	139	100.00%	4	100.00%	51	100.00%	65	100.00%	9	100.00%	64	100.00%	9	100.00%

Conclusion	ACC		AGR		ALH		ANT		ART		ASL		BIO		BNK		BUS		CHM		CIS		COM		CRJ		
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
Deficient		0.00%		0.00%	1	7.60%		0.00%		0.00%	3	13.72%	2	1.41%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
(2)		0.00%	1	5.38%	3	23.54%		0.00%	2	7.52%	4	18.30%	9	5.50%		0.00%	4	7.57%	9	16.40%		0.00%	6	8.39%		0.00%	
Acceptable	3	3.94%	5	27.05%	3	19.35%		0.00%	7	26.94%	3	20.15%	33	27.91%		0.00%	6	11.20%	17	29.02%	2	21.40%	12	16.99%	3	36.41%	
(4)	9	14.20%	4	36.51%	1	8.39%		12.48%	7	23.00%	1	4.78%	53	29.64%	2	50.44%	10	13.64%	20	28.92%		0.00%	26	46.03%	3	30.30%	
Exemplary	20	43.81%	3	31.06%	5	41.13%		7	87.52%	11	42.55%	7	43.05%	42	35.54%	2	49.56%	31	67.59%	19	25.66%	7	78.60%	20	28.60%	3	33.29%
N/A	9	38.04%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
Grand Total	41	100.00%	13	100.00%	13	100.00%	8	100.00%	27	100.00%	18	100.00%	139	100.00%	4	100.00%	51	100.00%	65	100.00%	9	100.00%	64	100.00%	9	100.00%	

The Problem	CYB		ECE		ECO		EDU		EGR		ELT		ENG		FIN		GLG		HRM		HST		HUM		IMD	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	0.00%		0.00%		0.00%		0.00%		1	12.85%	0.00%		3	1.52%	0.00%		0.00%		0.00%		2	3.62%	1	0.19%	0.00%	
(2)	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		10	5.48%	0.00%		2	10.13%	0.00%		3	2.76%	2	5.53%	0.00%	
Acceptable	0.00%		0.00%		0.00%		2	66.71%	0.00%		3	17.25%	42	19.18%	1	20.07%	4	14.21%	0.00%		8	17.61%	2	0.43%	0.00%	
(4)	1	50.31%	1	50.03%	6	66.64%	1	33.29%	0.00%		7	51.09%	103	39.91%	3	59.90%	8	40.00%	0.00%		22	49.78%	12	67.28%	3	39.61%
Exemplary	1	49.69%	1	49.97%	3	33.36%	0.00%		8	87.15%	4	31.66%	93	33.90%	0.00%		5	35.65%	2	100.00%	14	26.24%	3	26.58%	3	60.39%
Grand Total	2	100.00%	2	100.00%	9	100.00%	3	100.00%	9	100.00%	14	100.00%	251	100.00%	5	100.00%	19	100.00%	2	100.00%	49	100.00%	20	100.00%	6	100.00%

Argument	CYB		ECE		ECO		EDU		EGR		ELT		ENG		FIN		GLG		HRM		HST		HUM		IMD	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	0.00%		0.00%		0.00%		0.00%		1	12.85%	0.00%		4	1.93%	0.00%		0.00%		0.00%		2	3.62%	1	0.19%	0.00%	
(2)	0.00%		0.00%		0.00%		1	33.33%	0.00%		0.00%		24	12.46%	1	20.03%	2	2.74%	0.00%		3	3.14%	1	0.18%	0.00%	
Acceptable	0.00%		1	50.03%	1	1.00%	2	66.67%	0.00%		6	40.44%	48	19.23%	1	19.93%	5	26.51%	0.00%		10	18.87%	3	14.24%	0.00%	
(4)	2	100.00%	1	49.97%	5	65.67%	0.00%		1	10.27%	7	51.07%	90	34.37%	3	60.03%	9	46.60%	0.00%		21	45.31%	10	48.12%	3	49.99%
Exemplary	0.00%		0.00%		3	33.33%	0.00%		7	76.87%	1	8.49%	85	32.02%	0.00%		3	24.15%	2	100.00%	13	29.06%	5	37.27%	3	50.01%
N/A	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	0.00%	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
Grand Total	2	100.00%	2	100.00%	9	100.00%	3	100.00%	9	100.00%	14	100.00%	251	100.00%	5	100.00%	19	100.00%	2	100.00%	49	100.00%	20	100.00%	6	100.00%

Data	CYB		ECE		ECO		EDU		EGR		ELT		ENG		FIN		GLG		HRM		HST		HUM		IMD	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	0.00%		0.00%		0.00%		0.00%		1	12.85%	0.00%		4	1.76%	0.00%		1	8.77%	0.00%		2	3.62%	1	0.19%	0.00%	
(2)	0.00%		0.00%		0.00%		0.00%		0.00%		2	14.75%	25	11.15%	1	20.03%	4	12.87%	0.00%		6	9.38%	1	0.23%	0.00%	
Acceptable	0.00%		0.00%		1	31.16%	3	100.00%	1	10.27%	7	48.88%	54	25.69%	1	20.07%	2	9.84%	0.00%		10	22.07%	8	52.77%	0.00%	
(4)	2	100.00%	1	50.03%	2	62.41%	0.00%		0.00%		4	27.88%	103	36.91%	2	39.90%	7	32.31%	0.00%		17	34.62%	5	9.54%	5	86.76%
Exemplary	0.00%		1	49.97%	0.00%		0.00%		7	76.87%	1	8.49%	65	24.50%	1	20.00%	5	36.21%	2	100.00%	14	30.32%	5	37.27%	1	13.24%
N/A	0.00%		0.00%		6	6.42%	0.00%		0.00%		0.00%	0.00%	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
Grand Total	2	100.00%	2	100.00%	9	100.00%	3	100.00%	9	100.00%	14	100.00%	251	100.00%	5	100.00%	19	100.00%	2	100.00%	49	100.00%	20	100.00%	6	100.00%

Assumptions	CYB		ECE		ECO		EDU		EGR		ELT		ENG		FIN		GLG		HRM		HST		HUM		IMD	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	0.00%		0.00%		0.00%		0.00%		1	12.85%	0.00%		5	2.66%	0.00%		0.00%		0.00%		2	3.62%	1	0.19%	0.00%	
(2)	0.00%		0.00%		0.00%		1	33.33%	0.00%		2	14.75%	21	10.41%	1	20.03%	1	1.36%	0.00%		6	8.28%	1	0.18%	0.00%	
Acceptable	0.00%		0.00%		1	1.00%	2	66.67%	1	10.27%	8	53.59%	60	26.04%	0.00%		4	12.57%	0.00%		10	22.99%	6	35.46%	0.00%	
(4)	2	100.00%	2	100.00%	6	66.75%	0.00%		0.00%		2	16.89%	100	35.55%	4	79.97%	9	43.82%	0.00%		22	50.92%	4	6.00%	3	39.61%
Exemplary	0.00%		0.00%		2	32.25%	0.00%		7	76.87%	2	14.77%	61	23.44%	0.00%		2	15.91%	2	100.00%	9	14.19%	3	14.77%	3	60.39%
N/A	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	4	1.90%	0.00%		3	26.34%	0.00%		0.00%		0.00%	5	43.41%	0.00%	
Grand Total	2	100.00%	2	100.00%	9	100.00%	3	100.00%	9	100.00%	14	100.00%	251	100.00%	5	100.00%	19	100.00%	2	100.00%	49	100.00%	20	100.00%	6	100.00%

Conclusion	CYB		ECE		ECO		EDU		EGR		ELT		ENG		FIN		GLG		HRM		HST		HUM		IMD	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	0.00%		0.00%		0.00%		0.00%		1	12.85%	0.00%		3	1.52%	0.00%		0.00%		0.00%		2	3.62%	2	0.36%	0.00%	
(2)	0.00%		0.00%		0.00%		1	33.33%	0.00%		0.00%		15	6.17%	1	20.03%	2	10.13%	0.00%		3	2.76%	1	0.23%	0.00%	
Acceptable	0.00%		0.00%		1	1.00%	2	66.67%	1	10.27%	6	46.41%	54	24.22%	0.00%		4	12.57%	0.00%		9	17.74%	3	15.77%	0.00%	
(4)	1	50.31%	1	50.03%	6	66.75%	0.00%		0.00%		6	38.82%	95	35.38%	3	59.97%	8	37.22%	0.00%		22	46.52%	10	56.82%	2	26.43%
Exemplary	1	49.69%	1	49.97%	2	32.25%	0.00%		7	76.87%	2	14.77%	78	29.63%	1	20.00%	5	40.07%	2	100.00%	13	29.36%	4	26.82%	4	73.57%
N/A	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	6	3.07%	0.00%		0.00%		0.00%		0.00%		0.00%	0.00%		0.00%	
Grand Total	2	100.00%	2	100.00%	9	100.00%	3	100.00%	9	100.00%	14	100.00%	251	100.00%	5	100.00%	19	100.00%	2	100.00%	49	100.00%	20	100.00%	6	100.00%

The Problem	IMT		LEG		MED		MET		MGT		MKT		MLT		MTH		MUS		NUR		PHI		PHY		PLB	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	24.94%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)	1	13.20%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	12	5.76%	1	9.23%		0.00%		0.00%		0.00%		0.00%
Acceptable	3	36.52%		0.00%		0.00%	3	51.79%		0.00%	1	100.00%	1	50.03%	32	18.87%	2	14.41%	1	12.29%	5	35.73%	5	27.73%		0.00%
(4)	3	37.36%	1	49.98%	2	50.08%	1	17.20%	4	66.68%		0.00%	1	49.97%	74	40.89%	2	18.38%	7	51.36%	7	50.56%	5	23.05%	1	20.00%
Exemplary	1	12.92%	1	50.02%	1	24.98%	2	31.01%	2	33.32%		0.00%		0.00%	66	34.48%	7	57.98%	11	36.34%	2	13.71%	9	49.22%	4	80.00%
Grand Total	8	100.00%	2	100.00%	4	100.00%	6	100.00%	6	100.00%	1	100.00%	2	100.00%	184	100.00%	12	100.00%	19	100.00%	14	100.00%	19	100.00%	5	100.00%

Argument	IMT		LEG		MED		MET		MGT		MKT		MLT		MTH		MUS		NUR		PHI		PHY		PLB	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	24.94%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	11	5.22%	1	5.20%		0.00%	1	6.62%		0.00%		0.00%
Acceptable	2	25.00%		0.00%		0.00%	4	68.99%	2	33.32%	1	100.00%	1	50.03%	44	26.11%	2	18.42%	2	1.49%	4	29.11%	6	30.62%		0.00%
(4)	6	75.00%	1	49.98%	2	50.04%	2	31.01%	1	16.66%		0.00%	1	49.97%	66	33.35%	2	18.40%	7	62.86%	5	35.72%	5	21.53%	2	39.88%
Exemplary		0.00%	1	50.02%	1	25.02%		0.00%	3	50.02%		0.00%		0.00%	52	31.58%	7	57.98%	9	30.86%	4	28.55%	8	47.85%	3	60.12%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	11	3.74%		0.00%	1	4.79%		0.00%		0.00%		0.00%
Grand Total	8	100.00%	2	100.00%	4	100.00%	6	100.00%	6	100.00%	1	100.00%	2	100.00%	184	100.00%	12	100.00%	19	100.00%	14	100.00%	19	100.00%	5	100.00%

Data	IMT		LEG		MED		MET		MGT		MKT		MLT		MTH		MUS		NUR		PHI		PHY		PLB	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	24.94%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%	1	49.98%		0.00%		0.00%		0.00%		0.00%		0.00%	11	7.19%	1	5.20%		0.00%	1	6.61%		0.00%		0.00%
Acceptable	2	24.72%		0.00%	1	25.06%	1	17.23%	2	33.32%	1	100.00%	1	50.03%	45	21.16%	2	18.41%	1	12.29%	5	36.84%	4	24.90%		0.00%
(4)	6	75.28%		0.00%	1	25.02%	3	51.77%	3	50.06%		0.00%	1	49.97%	66	38.04%	2	18.41%	8	52.08%	3	21.40%	6	33.61%	3	60.00%
Exemplary		0.00%	1	50.02%	1	24.98%	2	31.01%	1	16.63%		0.00%		0.00%	58	30.71%	7	57.98%	10	35.63%	5	35.15%	9	41.49%	2	40.00%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	4	2.89%		0.00%		0.00%		0.00%		0.00%		0.00%
Grand Total	8	100.00%	2	100.00%	4	100.00%	6	100.00%	6	100.00%	1	100.00%	2	100.00%	184	100.00%	12	100.00%	19	100.00%	14	100.00%	19	100.00%	5	100.00%

Assumptions	IMT		LEG		MED		MET		MGT		MKT		MLT		MTH		MUS		NUR		PHI		PHY		PLB	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	24.94%		0.00%		0.00%		0.00%		0.00%		0.00%	1	5.20%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	9	3.54%	1	9.23%		0.00%	2	14.79%	1	4.26%		0.00%
Acceptable	1	13.20%	1	49.98%	1	25.02%	2	34.56%	2	33.32%	1	100.00%	1	50.03%	43	22.79%	2	18.41%	2	13.06%	2	13.23%	3	19.16%	1	20.00%
(4)	7	86.80%		0.00%	1	25.06%	3	48.19%	2	33.37%		0.00%	1	49.97%	78	43.90%	2	14.39%	5	49.84%	6	43.93%	6	19.42%	2	40.00%
Exemplary		0.00%	1	50.02%	1	24.98%	1	17.25%	2	33.32%		0.00%		0.00%	37	18.46%	6	52.78%	11	32.31%	4	28.05%	6	29.18%	2	40.00%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	17	11.29%		0.00%	1	4.79%		0.00%	3	27.98%		0.00%
Grand Total	8	100.00%	2	100.00%	4	100.00%	6	100.00%	6	100.00%	1	100.00%	2	100.00%	184	100.00%	12	100.00%	19	100.00%	14	100.00%	19	100.00%	5	100.00%

Conclusion	IMT		LEG		MED		MET		MGT		MKT		MLT		MTH		MUS		NUR		PHI		PHY		PLB	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	24.94%		0.00%		0.00%		0.00%		0.00%		0.00%	1	4.76%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%		0.00%		0.00%	1	16.67%		0.00%		0.00%	6	2.56%	1	5.20%		0.00%	2	13.23%		0.00%		0.00%
Acceptable	1	13.20%		0.00%	1	25.06%	2	34.43%	1	16.64%	1	100.00%	1	50.03%	50	30.60%	1	9.22%	1	12.29%	2	14.79%	2	9.20%	1	20.00%
(4)	7	86.80%	1	49.98%	1	25.02%	2	34.56%	2	33.37%		0.00%	1	49.97%	73	35.45%	3	27.61%	7	51.33%	7	50.56%	10	47.19%	1	19.94%
Exemplary		0.00%	1	50.02%	1	24.98%	2	31.01%	2	33.32%		0.00%		0.00%	55	31.39%	7	57.98%	10	31.62%	3	21.42%	7	43.60%	3	60.06%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Grand Total	8	100.00%	2	100.00%	4	100.00%	6	100.00%	6	100.00%	1	100.00%	2	100.00%	184	100.00%	12	100.00%	19	100.00%	14	100.00%	19	100.00%	5	100.00%

The Problem	PLS		POA		PSY		PTA		REL		SOC		SSV		VET		Total	Total
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	2	4.78%		0.00%	1	0.15%		0.00%		0.00%		0.00%	15	1.18%
(2)	1	2.60%		0.00%	1	3.87%	1	8.89%	6	98.24%	1	3.17%		0.00%	2	22.24%	70	5.41%
Acceptable	8	16.62%		0.00%	1	0.62%		0.00%	2	0.88%	3	14.25%	2	30.18%	7	77.76%	217	18.18%
(4)	28	46.37%		0.00%	19	29.94%	4	40.74%	1	0.73%	9	39.71%	3	53.38%		0.00%	517	38.56%
Exemplary	20	34.41%	2	100.00%	35	60.79%	4	50.37%		0.00%	11	42.88%	2	16.44%		0.00%	491	36.67%
Grand Total	57	100.00%	2	100.00%	58	100.00%	9	100.00%	10	100.00%	24	100.00%	7	100.00%	9	100.00%	1310	100.00%

Argument	PLS		POA		PSY		PTA		REL		SOC		SSV		VET		Total	Total
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	1	2.92%		0.00%	1	0.15%		0.00%		0.00%	1	11.11%	17	1.36%
(2)	1	2.60%		0.00%	2	4.49%		0.00%	3	1.54%		0.00%		0.00%	7	77.76%	103	8.99%
Acceptable	15	28.27%		0.00%	5	5.17%	2	20.00%	6	98.31%	5	20.58%	1	23.23%	1	11.13%	272	20.30%
(4)	20	31.75%	1	49.95%	22	35.82%	3	34.07%		0.00%	10	44.59%	4	60.33%		0.00%	476	34.52%
Exemplary	21	37.37%	1	50.05%	27	49.74%	4	45.93%		0.00%	9	34.83%	2	16.44%		0.00%	422	33.56%
N/A		0.00%		0.00%	1	1.86%		0.00%		0.00%		0.00%		0.00%		0.00%	20	1.26%
Grand Total	57	100.00%	2	100.00%	58	100.00%	9	100.00%	10	100.00%	24	100.00%	7	100.00%	9	100.00%	1310	100.00%

Data	PLS		POA		PSY		PTA		REL		SOC		SSV		VET		Total	Total
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	2	4.78%		0.00%		0.00%		0.00%		0.00%		0.00%	18	1.49%
(2)	2	5.48%		0.00%	3	5.12%	1	8.89%	3	96.70%	1	3.17%	1	23.23%	4	44.42%	107	8.73%
Acceptable	20	39.34%		0.00%	8	8.98%		0.00%	6	2.57%	6	30.58%	3	45.24%	5	55.58%	302	24.36%
(4)	17	29.18%	1	50.05%	18	30.50%	4	42.96%	1	0.73%	9	36.27%	1	15.09%		0.00%	450	32.27%
Exemplary	17	25.27%	1	49.95%	25	43.11%	4	48.15%		0.00%	8	29.98%	2	16.44%		0.00%	407	31.41%
N/A	1	0.74%		0.00%	2	7.52%		0.00%		0.00%		0.00%		0.00%		0.00%	26	1.75%
Grand Total	57	100.00%	2	100.00%	58	100.00%	9	100.00%	10	100.00%	24	100.00%	7	100.00%	9	100.00%	1310	100.00%

Assumptions	PLS		POA		PSY		PTA		REL		SOC		SSV		VET		Total	Total
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	4	9.27%		0.00%	1	0.15%		0.00%		0.00%		0.00%	24	1.99%
(2)	3	8.08%		0.00%	1	0.62%	1	8.89%	3	97.21%	1	3.17%	1	23.23%	3	33.29%	93	7.89%
Acceptable	12	24.86%		0.00%	5	6.43%	1	8.15%	6	2.64%	4	17.41%	2	30.18%	6	66.71%	302	23.65%
(4)	21	32.58%	1	49.95%	22	33.78%	2	20.74%		0.00%	11	49.44%	2	30.15%		0.00%	454	31.78%
Exemplary	17	24.74%	1	50.05%	25	46.13%	5	62.22%		0.00%	8	29.98%	2	16.44%		0.00%	357	26.87%
N/A	4	9.74%		0.00%	1	3.76%		0.00%		0.00%		0.00%		0.00%		0.00%	80	7.82%
Grand Total	57	100.00%	2	100.00%	58	100.00%	9	100.00%	10	100.00%	24	100.00%	7	100.00%	9	100.00%	1310	100.00%

Conclusion	PLS		POA		PSY		PTA		REL		SOC		SSV		VET		Total	Total
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	2.88%		0.00%	3	8.64%		0.00%	1	0.51%		0.00%		0.00%	1	11.11%	22	1.79%
(2)		0.00%		0.00%	1	0.63%		0.00%	5	1.83%		0.00%	1	23.23%	4	44.44%	82	6.29%
Acceptable	12	21.97%		0.00%	4	4.49%	1	8.89%	3	1.61%	4	17.42%	1	15.11%	4	44.44%	267	22.14%
(4)	29	52.14%		0.00%	18	34.43%	4	42.96%	1	96.04%	9	38.02%	3	45.22%		0.00%	470	33.04%
Exemplary	15	23.00%	2	100.00%	32	51.82%	4	48.15%		0.00%	11	44.57%	2	16.44%		0.00%	454	35.15%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	15	1.60%
Grand Total	57	100.00%	2	100.00%	58	100.00%	9	100.00%	10	100.00%	24	100.00%	7	100.00%	9	100.00%	1310	100.00%

General Education: Inquiry Data by Course 2021SS

Identify the Issue	ACC		AGR		ANT		ART		ALS		BIO		BNK		BUS		CHM		CIS		COM		CRJ		ECE	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	2.86%		0.00%		0.00%		0.00%	1	1.35%	1	0.56%		0.00%	4	2.03%		0.00%		0.00%	5	2.21%		0.00%		0.00%
(2)		0.00%		0.00%		0.00%	1	2.44%	2	5.41%	1	1.12%		0.00%	4	4.06%	1	2.63%		0.00%	6	5.31%		0.00%	1	7.41%
Acceptable		0.00%	4	25.00%		0.00%	8	29.27%	2	8.11%	9	15.08%		0.00%	2	3.05%	5	19.74%		0.00%	8	10.62%	6	46.15%	1	11.11%
(4)	1	11.43%	9	75.00%	3	54.55%	9	43.90%	7	37.84%	21	46.93%	2	100.00%	11	22.34%	6	31.58%		0.00%	15	26.55%	4	41.03%	3	44.44%
Exemplary	6	85.71%		0.00%	2	45.45%	4	24.39%	4	24.39%	7	47.30%	13	36.31%		0.00%	27	68.53%	7	46.05%	3	100.00%	25	55.31%	1	12.82%
Grand Total	8	100.00%	13	100.00%	5	100.00%	22	100.00%	19	100.00%	45	100.00%	2	100.00%	48	100.00%	19	100.00%	3	100.00%	59	100.00%	11	100.00%	7	100.00%

Finding Results	ACC		AGR		ANT		ART		ALS		BIO		BNK		BUS		CHM		CIS		COM		CRJ		ECE	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	2.78%		0.00%		0.00%		0.00%	1	1.43%	3	1.83%		0.00%	5	2.58%		0.00%		0.00%	8	3.67%		0.00%		0.00%
(2)		0.00%	2	9.09%		0.00%		0.00%	3	8.57%		0.00%		0.00%	3	3.09%		0.00%		0.00%	4	3.67%		0.00%		0.00%
Acceptable		0.00%	4	27.27%		0.00%	6	20.93%	2	8.57%	15	27.44%	1	42.86%	1	1.55%	7	28.00%		0.00%	9	12.39%	6	46.15%	1	10.00%
(4)		0.00%	7	63.64%	3	54.55%	12	55.81%	8	45.71%	19	46.34%	1	57.14%	15	30.93%	6	32.00%	1	28.57%	15	27.52%	4	41.03%	3	40.00%
Exemplary	7	97.22%		0.00%	2	45.45%	4	23.26%	5	35.71%	8	24.39%		0.00%	24	61.86%	6	40.00%	2	71.43%	23	52.75%	1	12.82%	3	50.00%
Grand Total	8	100.00%	13	100.00%	5	100.00%	22	100.00%	19	100.00%	45	100.00%	2	100.00%	48	100.00%	19	100.00%	3	100.00%	59	100.00%	11	100.00%	7	100.00%

Evaluating Results	ACC		AGR		ANT		ART		ALS		BIO		BNK		BUS		CHM		CIS		COM		CRJ		ECE	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	12.50%		0.00%		0.00%		0.00%	1	5.26%	1	2.22%		0.00%	3	6.25%		0.00%		0.00%	8	13.56%		0.00%	1	14.29%
(2)		0.00%	2	15.38%		0.00%		0.00%	3	15.79%	2	4.44%		0.00%	4	8.33%	3	15.79%		0.00%	3	5.08%		0.00%		0.00%
Acceptable		0.00%	3	23.08%		0.00%	10	45.45%	3	15.79%	13	28.89%	1	50.00%	3	6.25%	2	10.53%		0.00%	12	20.34%	6	54.55%	1	14.29%
(4)		0.00%	7	53.85%	3	60.00%	9	40.91%	6	31.58%	18	40.00%	1	50.00%	11	22.92%	9	47.37%		0.00%	20	33.90%	4	36.36%	3	42.86%
(-4.5)		0.00%	1	7.69%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Exemplary	7	87.50%		0.00%	2	40.00%	3	13.64%	6	31.58%	11	24.44%		0.00%	27	56.25%	5	26.32%	3	100.00%	16	27.12%	1	9.09%	2	28.57%
Grand Total	8	100.00%	13	100.00%	5	100.00%	22	100.00%	19	100.00%	45	100.00%	2	100.00%	48	100.00%	19	100.00%	3	100.00%	59	100.00%	11	100.00%	7	100.00%

Method of Inquiry	ACC		AGR		ANT		ART		ALS		BIO		BNK		BUS		CHM		CIS		COM		CRJ		ECE	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	12.50%		0.00%		0.00%		0.00%	1	5.26%	1	2.22%		0.00%	3	6.25%		0.00%		0.00%	6	10.17%		0.00%		0.00%
(2)		0.00%	3	23.08%		0.00%	1	4.55%	3	15.79%		0.00%		0.00%	4	8.33%	1	5.26%		0.00%	8	13.56%		0.00%		0.00%
Acceptable		0.00%	2	15.38%		0.00%	7	31.82%	2	10.53%	13	28.89%		0.00%	3	6.25%	8	42.11%		0.00%	6	10.17%	6	54.55%	2	28.57%
(3.5)		0.00%	1	7.69%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	1	12.50%	7	53.85%	3	60.00%	9	40.91%	5	26.32%	20	44.44%	2	100.00%	13	27.08%	5	26.32%		0.00%	21	35.59%	4	36.36%	3	42.86%
Exemplary	6	75.00%		0.00%	2	40.00%	5	22.73%	8	42.11%	7	15.56%		0.00%	25	52.08%	5	26.32%	3	100.00%	18	30.51%	1	9.09%	2	28.57%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%	4	8.89%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Grand Total	8	100.00%	13	100.00%	5	100.00%	22	100.00%	19	100.00%	45	100.00%	2	100.00%	48	100.00%	19	100.00%	3	100.00%	59	100.00%	11	100.00%	7	100.00%

Application	ACC		AGR		ANT		ART		ALS		BIO		BNK		BUS		CHM		CIS		COM		CRJ		ECE	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	12.50%		0.00%		0.00%		0.00%	1	5.26%	1	2.22%		0.00%	2	4.17%		0.00%		0.00%	8	13.56%		0.00%		0.00%
(2)		0.00%	1	7.69%		0.00%	1	4.55%	3	15.79%	2	4.44%		0.00%	4	8.33%	2	10.53%		0.00%	4	6.78%		0.00%		0.00%
Acceptable		0.00%	4	30.77%		0.00%	6	27.27%	3	15.79%	15	33.33%	1	50.00%	2	4.17%	1	5.26%		0.00%	8	13.56%	6	54.55%	2	28.57%
(3.5)		0.00%	2	15.38%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	1	12.50%	6	46.15%	3	60.00%	14	63.64%	6	31.58%	21	46.67%	1	50.00%	15	31.25%	9	47.37%		0.00%	17	28.81%	4	36.36%	3	42.86%
Exemplary	6	75.00%		0.00%	2	40.00%	1	4.55%	6	31.58%	6	13.33%		0.00%	25	52.08%	7	36.84%	3	100.00%	22	37.29%	1	9.09%	2	28.57%
Grand Total	8	100.00%	13	100.00%	5	100.00%	22	100.00%	19	100.00%	45	100.00%	2	100.00%	48	100.00%	19	100.00%	3	100.00%	59	100.00%	11	100.00%	7	100.00%

Identify the Issue	EDU		EGR		ENG		FIN		GEO		GLG		HRM		HST		HUM		IMT		LEG		MED		MFG		MLT	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	5	1.38%		0.00%		0.00%		0.00%		0.00%	1	0.72%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%	1	0.55%		0.00%		0.00%		0.00%		0.00%		0.00%	2	5.06%		0.00%		0.00%		0.00%		0.00%		0.00%
Acceptable	2	21.43%		0.00%	24	19.89%	1	23.08%	1	42.86%		0.00%		0.00%	3	6.52%	2	7.59%		0.00%		0.00%		0.00%		0.00%	1	7.14%
(4)	3	42.86%	4	76.19%	32	35.36%		0.00%	1	57.14%		0.00%	2	61.54%	12	34.78%	6	30.38%		0.00%		0.00%	4	61.54%	2	100.00%	1	9.52%
Exemplary	2	35.71%	1	23.81%	31	42.82%	2	76.92%		0.00%	2	100.00%	1	38.46%	16	57.97%	9	56.96%	1	100.00%	1	100.00%	2	38.46%		0.00%	7	83.33%
Grand Total	7	100.00%	5	100.00%	93	100.00%	3	100.00%	2	100.00%	2	100.00%	3	100.00%	32	100.00%	19	100.00%	1	100.00%	1	100.00%	6	100.00%	2	100.00%	9	100.00%

Finding Results	EDU		EGR		ENG		FIN		GEO		GLG		HRM		HST		HUM		IMT		LEG		MED		MFG		MLT	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	4	1.77%		0.00%		0.00%		0.00%		0.00%	1	0.73%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%	13	7.58%		0.00%		0.00%		0.00%		0.00%		0.00%	2	5.06%		0.00%		0.00%		0.00%		0.00%		0.00%
Acceptable	1	10.00%	1	15.79%	19	16.62%		0.00%	1	42.86%		0.00%		0.00%	4	8.76%	3	11.39%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	3	40.00%	4	84.21%	29	33.82%	2	61.54%	1	57.14%		0.00%	2	61.54%	11	32.12%	4	20.25%		0.00%		0.00%	3	44.44%	2	100.00%	2	18.60%
Exemplary	3	50.00%		0.00%	28	40.82%	1	38.46%		0.00%	2	100.00%	1	38.46%	16	58.39%	10	63.29%	1	100.00%	1	100.00%	3	55.56%		0.00%	7	81.40%
Grand Total	7	100.00%	5	100.00%	93	100.00%	3	100.00%	2	100.00%	2	100.00%	3	100.00%	32	100.00%	19	100.00%	1	100.00%	1	100.00%	6	100.00%	2	100.00%	9	100.00%

Evaluating Results	EDU		EGR		ENG		FIN		GEO		GLG		HRM		HST		HUM		IMT		LEG		MED		MFG		MLT	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	4	4.30%		0.00%		0.00%		0.00%		0.00%	1	3.13%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%	11	11.83%		0.00%		0.00%		0.00%		0.00%		0.00%	1	5.26%		0.00%		0.00%		0.00%		0.00%		0.00%
Acceptable	2	28.57%	1	20.00%	20	21.51%	1	33.33%	1	50.00%		0.00%		0.00%	5	15.63%	5	26.32%		0.00%		0.00%		0.00%	1	50.00%		0.00%
(4)	5	71.43%	4	80.00%	31	33.33%	1	33.33%	1	50.00%		0.00%	2	66.67%	13	40.63%	7	36.84%		0.00%		0.00%	2	33.33%		0.00%	2	22.22%
(-4.5)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Exemplary		0.00%		0.00%	27	29.03%	1	33.33%		0.00%	2	100.00%	1	33.33%	13	40.63%	6	31.58%	1	100.00%	1	100.00%	4	66.67%	1	50.00%	7	77.78%
Grand Total	7	100.00%	5	100.00%	93	100.00%	3	100.00%	2	100.00%	2	100.00%	3	100.00%	32	100.00%	19	100.00%	1	100.00%	1	100.00%	6	100.00%	2	100.00%	9	100.00%

Method of Inquiry	EDU		EGR		ENG		FIN		GEO		GLG		HRM		HST		HUM		IMT		LEG		MED		MFG		MLT	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	5	5.38%		0.00%		0.00%		0.00%		0.00%	1	3.13%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%	9	9.68%	1	33.33%		0.00%		0.00%		0.00%		0.00%	2	10.53%		0.00%		0.00%		0.00%		0.00%		0.00%
Acceptable	2	28.57%	2	40.00%	22	23.66%		0.00%		0.00%		0.00%		0.00%	5	15.63%	4	21.05%		0.00%		0.00%		0.00%		0.00%	1	11.11%
(3.5)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	4	57.14%	1	20.00%	29	31.18%	1	33.33%	1	50.00%		0.00%	2	66.67%	13	40.63%	7	36.84%		0.00%		0.00%	4	66.67%	1	50.00%	1	11.11%
Exemplary	1	14.29%	2	40.00%	28	30.11%	1	33.33%	1	50.00%	2	100.00%	1	33.33%	13	40.63%	6	31.58%	1	100.00%	1	100.00%	2	33.33%	1	50.00%	7	77.78%
N/A		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Grand Total	7	100.00%	5	100.00%	93	100.00%	3	100.00%	2	100.00%	2	100.00%	3	100.00%	32	100.00%	19	100.00%	1	100.00%	1	100.00%	6	100.00%	2	100.00%	9	100.00%

Application	EDU		EGR		ENG		FIN		GEO		GLG		HRM		HST		HUM		IMT		LEG		MED		MFG		MLT	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient		0.00%		0.00%	4	4.30%		0.00%		0.00%		0.00%		0.00%	1	3.13%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(2)		0.00%		0.00%	9	9.68%		0.00%		0.00%		0.00%		0.00%		0.00%	3	15.79%		0.00%		0.00%		0.00%		0.00%		0.00%
Acceptable	2	28.57%	2	40.00%	21	22.58%	1	33.33%	1	50.00%		0.00%		0.00%	3	9.38%	3	15.79%		0.00%		0.00%		0.00%		0.00%	1	11.11%
(3.5)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	2	28.57%	1	20.00%	25	26.88%		0.00%	1	50.00%		0.00%	2	66.67%	11	34.38%	7	36.84%		0.00%		0.00%	4	66.67%	2	100.00%	2	22.22%
Exemplary	3	42.86%	2	40.00%	34	36.56%	2	66.67%		0.00%	2	100.00%	1	33.33%	17	53.13%	6	31.58%	1	100.00%	1	100.00%	2	33.33%		0.00%	6	66.67%
Grand Total	7	100.00%	5	100.00%	93	100.00%	3	100.00%	2	100.00%	2	100.00%	3	100.00%	32	100.00%	19	100.00%	1	100.00%	1	100.00%	6	100.00%	2	100.00%	9	100.00%

Identify the Issue	MTH		MUS		NUR		PHI		PHY		PLB		PLS		PSY		PTA		REL		SOC		SSV		VET			
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
Deficient	1	0.68%		0.00%		0.00%		0.00%		0.00%		0.00%	1	0.85%		0.00%		0.00%		0.00%		0.00%	1	0.57%		0.00%		0.00%
(2)	6	8.16%		0.00%		0.00%		0.00%		0.00%	2	18.18%	3	5.13%		2.47%		0.00%	2	19.05%		0.00%		0.00%		0.00%	1	40.00%
Acceptable	4	8.16%		0.00%	1	3.66%	6	26.87%	5	28.85%	1	13.64%	2	5.13%	9	16.67%		0.00%	1	14.29%	4	6.82%	2	17.65%	1	60.00%		
(4)	13	35.37%	4	39.02%	1	4.88%	6	35.82%	3	23.08%		0.00%	11	37.61%	19	46.91%		0.00%	1	19.05%	17	38.64%	2	23.53%		0.00%		
Exemplary	14	47.62%	5	60.98%	15	91.46%	5	37.31%	5	48.08%	3	68.18%	12	51.28%	11	33.95%	5	100.00%	2	47.62%	19	53.98%	4	58.82%		0.00%		
Grand Total	38	100.00%	9	100.00%	17	100.00%	17	100.00%	13	100.00%	6	100.00%	29	100.00%	41	100.00%	5	100.00%	6	100.00%	41	100.00%	8	100.00%	2	100.00%		

Finding Results	MTH		MUS		NUR		PHI		PHY		PLB		PLS		PSY		PTA		REL		SOC		SSV		VET	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	1	0.68%		0.00%		0.00%		0.00%	1	2.13%		0.00%	1	0.89%		0.00%		0.00%		0.00%	1	0.58%		0.00%	1	20.00%
(2)	6	8.22%		0.00%	1	2.63%		0.00%	3	12.77%		0.00%	3	5.36%	3	3.59%		0.00%	1	9.09%	1	1.17%		0.00%		0.00%
Acceptable	6	12.33%		0.00%		0.00%	5	22.39%		0.00%		0.00%	4	10.71%	7	12.57%		0.00%	2	27.27%	8	14.04%	3	27.27%		0.00%
(4)	10	27.40%	4	39.02%	6	31.58%	8	47.76%	5	42.55%	3	44.44%	12	42.86%	15	35.93%		0.00%	1	18.18%	11	25.73%	1	12.12%	1	80.00%
Exemplary	15	51.37%	5	60.98%	10	65.79%	4	29.85%	4	42.55%	3	55.56%	9	40.18%	16	47.90%	5	100.00%	2	45.45%	20	58.48%	4	60.61%		0.00%
Grand Total	38	100.00%	9	100.00%	17	100.00%	17	100.00%	13	100.00%	6	100.00%	29	100.00%	41	100.00%	5	100.00%	6	100.00%	41	100.00%	8	100.00%	2	100.00%

Evaluating Results	MTH		MUS		NUR		PHI		PHY		PLB		PLS		PSY		PTA		REL		SOC		SSV		VET	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	2	5.26%		0.00%		0.00%		0.00%	1	7.69%		0.00%	1	3.45%		0.00%		0.00%	1	16.67%	1	2.50%		0.00%	1	50.00%
(2)	5	13.16%		0.00%		0.00%	1	5.88%	1	7.69%	1	16.67%	3	10.34%	4	9.76%		0.00%		0.00%		0.00%		0.00%	1	50.00%
Acceptable	6	15.79%	1	11.11%	2	11.76%	4	23.53%	1	7.69%	1	16.67%	3	10.34%	10	24.39%		0.00%	2	33.33%	6	15.00%	3	37.50%		0.00%
(4)	15	39.47%	3	33.33%	5	29.41%	6	35.29%	8	61.54%	1	16.67%	11	37.93%	14	34.15%		0.00%	1	16.67%	16	40.00%	1	12.50%		0.00%
(-4.5)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Exemplary	10	26.32%	5	55.56%	10	58.82%	6	35.29%	2	15.38%	3	50.00%	11	37.93%	13	31.71%	5	100.00%	2	33.33%	17	42.50%	4	50.00%		0.00%
Grand Total	38	100.00%	9	100.00%	17	100.00%	17	100.00%	13	100.00%	6	100.00%	29	100.00%	41	100.00%	5	100.00%	6	100.00%	40	100.00%	8	100.00%	2	100.00%

Method of Inquiry	MTH		MUS		NUR		PHI		PHY		PLB		PLS		PSY		PTA		REL		SOC		SSV		VET	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	2	5.26%		0.00%		0.00%		0.00%		0.00%		0.00%	1	3.45%		0.00%		0.00%	1	16.67%	1	2.44%		0.00%	1	50.00%
(2)	6	15.79%		0.00%		0.00%		0.00%	1	7.69%		0.00%	2	6.90%	1	2.44%		0.00%		0.00%		0.00%		0.00%	1	50.00%
Acceptable	4	10.53%	1	11.11%	2	11.76%	5	29.41%	2	15.38%	2	33.33%	4	13.79%	8	19.51%		0.00%	1	16.67%	7	17.07%	3	37.50%		0.00%
(3.5)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	13	34.21%	3	33.33%	6	35.29%	8	47.06%	4	30.77%	1	16.67%	13	44.83%	21	51.22%		0.00%	3	50.00%	16	39.02%	1	12.50%		0.00%
Exemplary	13	34.21%	5	55.56%	9	52.94%	4	23.53%	4	30.77%	3	50.00%	9	31.03%	11	26.83%	5	100.00%	1	16.67%	17	41.46%	4	50.00%		0.00%
N/A		0.00%		0.00%		0.00%		0.00%	2	15.38%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
Grand Total	38	100.00%	9	100.00%	17	100.00%	17	100.00%	13	100.00%	6	100.00%	29	100.00%	41	100.00%	5	100.00%	6	100.00%	41	100.00%	8	100.00%	2	100.00%

Application	MTH		MUS		NUR		PHI		PHY		PLB		PLS		PSY		PTA		REL		SOC		SSV		VET	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Deficient	2	5.26%		0.00%		0.00%		0.00%		0.00%		0.00%	1	3.45%		0.00%		0.00%		0.00%	1	2.44%		0.00%	1	50.00%
(2)	5	13.16%	1	11.11%	1	5.88%		0.00%	2	15.38%		0.00%	3	10.34%	1	2.44%		0.00%	1	16.67%		0.00%		0.00%	1	50.00%
Acceptable	5	13.16%		0.00%		0.00%	5	29.41%	1	7.69%	2	33.33%	4	13.79%	11	26.83%		0.00%	1	16.67%	4	9.76%	3	37.50%		0.00%
(3.5)		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
(4)	12	31.58%	3	33.33%	1	5.88%	9	52.94%	4	30.77%	1	16.67%	7	24.14%	17	41.46%		0.00%	2	33.33%	20	48.78%	1	12.50%		0.00%
Exemplary	14	36.84%	5	55.56%	15	88.24%	3	17.65%	6	46.15%	3	50.00%	14	48.28%	12	29.27%	5	100.00%	2	33.33%	16	39.02%	4	50.00%		0.00%
Grand Total	38	100.00%	9	100.00%	17	100.00%	17	100.00%	13	100.00%	6	100.00%	29	100.00%	41	100.00%	5	100.00%	6	100.00%	41	100.00%	8	100.00%	2	100.00%

Appendices: General Education Rubrics

Critical Thinking (2021FS)

Outcome	1—Missing Lack of understanding of the outcome.	2—Developing Some correct application of the outcome. Is inconsistent.	3—Acceptable Correct application of the outcome at the minimum level for credit.	4—Good Clear understanding of application of outcome.	5—Excellent Exemplary application of the outcome. Mastery of outcome.	Score
The Problem Demonstrates the ability to identify and define the problem or question to be addressed within the context of this course						
Argument Clearly communicates the perspective, hypothesis, or position						
Data Presents, assesses, and analyzes appropriate supporting data/evidence/sources						
Assumptions Identifies and assesses the key assumptions, positions, and biases of self and /or others						
Conclusion Articulates conclusions, implications, implementations, and/or consequences clearly						

Inquiry (2021SS)

Outcome	1—Missing Lack of understanding of the outcome.	2—Developing Some correct application of the outcome. Is inconsistent.	3—Acceptable Correct application of the outcome at the minimum level for credit.	4—Good Clear understanding of application of outcome.	5—Excellent Exemplary application of the outcome. Mastery of outcome.	Score
Identify the most appropriate issue for assignment and effectively focus on it						
Demonstrate strong interest in finding the best results and coming to the most convincing conclusions						
Evaluate results and consider the quality and relevance of the evidence						
Identify the best method of inquiry for the assignment and discipline						
Apply method of inquiry to the assignment effectively						