Mississippi Delta Community College
2018-2019 General Education Assessment Results

Overview

The faculty members of Mississippi Delta Community College (MDCC) have identified six college-level general education competencies for degree students to attain. Each degree program at MDCC contains the general education core; thus, students enrolled in health sciences, technical programs, and the academic transfer programs of study receive instruction linked to the general education competencies.

Instructors measure the extent to which students have attained the general education competencies through embedded test questions on locally developed examinations. A second evaluation, although an indirect assessment, is MDCC's Student Exit Survey. Planning and assessment are integrated across all divisions and locations including the main campus, off-campus instructional sites, dual enrollment courses, and eLearning/distance learning. Instructors analyze findings and use results to enhance and improve teaching, learning, and educational programs.

During Fall 2018, the faculty of MDCC administered locally developed examinations with embedded test questions to assess the attainment of student learning for the general education competencies. Additionally, students responded to agreement questions for each general education competency on the *Student Exit Survey*. The table below provides MDCC's six general education competencies and descriptions of the competencies.

Competency	Competency Description
Reading Comprehension	Students will be able to comprehend readings from a variety of texts.
Technology Usage	Students will be able to identify and use appropriate computer applications.
Communication Skills	Students will be able to write and speak effectively.
Problem Solving	Students will be able to use mathematics and science reasoning to solve problems.
Critical Thinking	Students will be able to think critically about a problem and formulate possible conclusions or solutions.
Historical/Cultural Awareness	Students will be able to analyze how history and culture affect society.

For questions regarding this publication, please contact Dr. Rosemary C. Lamb, Associate Vice President of Institutional Effectiveness, at rlamb@msdelta.edu or 662-246-6256.

Figure 1

Fall 2018 Communication Exam Embedded Results for Composition I and Evidence of Seeking Improvement

Fall 2018
Communication
Composition I
OVERALL % OF CORRECT ANSWERS: 79%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	206	168	82%
Question 2	206	199	97%
Question 3	206	179	87%
Question 4	206	164	80%
Question 5	206	138	67%
Question 6	206	129	63%

Student Learning Outcome: Communication Skills - Students will be able to write effectively.

Criteria/Benchmark: 70% of the students evaluated in English Composition I will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the English Composition I faculty created six written communication questions related to Composition I and embedded them into the Fall 2018 final examination. Faculty collected assessment results from 206 students representing 14 sections from the Moorhead campus and the Greenwood, GHEC, eLearning, and Dual Enrollment instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 1.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The English Composition I faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Integrated more hands-on instruction
2. Provided more step-by-step practice
3. Tailored instruction to meet individual student needs through conferences
4. Emphasized retaining students through more individualized contact
5. Implemented new technology; increased Writing Center usage; varied assignments
6. Used desktop computers for more effective use of instructional time

Greenwood Center:
7. Spent more time going through the syllabus, explaining course requirements and each element of the syllabus
8. Reordered the course's reading response journal articles to align with the writing modes
9. Added extensively to Composition I Canvas files for students to access. Students now have access to more than 20 templates, lists, documents, and handouts.

GHEC:
10. Increased use of open educational resources and digital technology in general for instruction
11. Increased percentage of shorter writing assignments in Comp I to focus on specific writing skills

eLearning:
12. Tailored instruction to meet individual student needs through conferencing

Dual Enrollment (St. Joseph & Pillow Academy):
13. Increased use of open educational resources and digital technology in general for instruction
14. Varied assignment types; implemented new technology with video essays
15. Utilized desktop computers and Chromebooks in classrooms

Figure 2

Fall 2018 Communication Exam Embedded Results for Composition II and Evidence of Seeking Improvement

**Fall 2018
Communication
Composition II
OVERALL % OF CORRECT ANSWERS: 81%**

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	149	88	59%
Question 2	149	147	99%
Question 3	149	116	78%
Question 4	149	126	85%
Question 5	149	117	79%
Question 6	149	136	91%

Student Learning Outcome: Communication Skills - Students will be able to write effectively.

Criteria/Benchmark: 70% of the students evaluated in English Composition II will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the English Composition II faculty created six written communication questions related to Composition II and embedded into the Fall 2018 final examination. Faculty collected assessment results from 149 students representing 11 sections from the Moorhead campus and the Greenwood, GHEC, eLearning instructional sites Results from the assessment are provided in Figure 2.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The English Composition II faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…
Moorhead Campus:
1. Included more hands-on assignments in classroom instruction
2. Infused more grammar exercise and step-by-step practice for students
3. Tailored instruction to meet individual students' needs through conferencing
4. Placed more emphasis on student retention through more individualized contact with students
5. Based upon results, we plan to assign a partial paper for students to complete instead of a complete paper
6. Varied assignment types, implemented new technology with video essays, and increase Writing Center usage
7. Utilized new desktop computers during classroom instruction

Greenwood Center:
8. Adopted and utilized a new textbook for Composition II
9. Spent more time on the first paper, the foundation of all other student work

GHEC:
10. Changed the pace of the assignments and increased the number of research formats required.
11. Based on the semester results, we will reduce the number of different formats from three back to two in order to focus more on the essential features of research writing.
12. Expanded use of educational resources in order to make greater use of digital technology in general to advance research skills.

eLearning:
13. Added videos in Canvas instruction
14. Provided more feedback to students about their work

Figure 3

Fall 2018 Reading Comprehension Exam Embedded Results for World Lit I and Evidence of Seeking Improvement

Fall 2018
Reading Comprehension
World Literature I
OVERALL % OF CORRECT ANSWERS: 79%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	77	67	87%
Question 2	77	62	81%
Question 3	77	60	78%
Question 4	77	58	75%
Question 5	77	54	70%
Question 6	77	64	83%

Student Learning Outcome: Reading Comprehension Skills - Students will be able to comprehend readings from World Literature I.

Criteria/Benchmark: 70% of the students evaluated in World Literature I will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the World Literature I faculty created six reading comprehension questions related to World Literature I and embedded into the Fall 2018 final examination. Faculty collected assessment results from 77 students representing 5 sections from the Moorhead campus and eLearning of Mississippi Delta Community College. Results from the assessment are provided in Figure 3.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The World Literature I faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Moorhead Campus:
1. Included more visual aids in classroom instruction to assist visual learners
2. Infused more student comments and discussion during classroom instructional time
3. Added more essay assignments to the course to allow more opportunities for students to practice writing skills
4. Tailored instruction to meet individual students' needs through conferencing
5. Emphasized retaining students through more individualized contact

eLearning:
6. Revised course review methods
7. Added film options for longer works on World Literature

Figure 4

Fall 2018 Problem Solving Exam Embedded Results for College Algebra and Evidence of Seeking Improvement

Fall 2018
Problem Solving
College Algebra
OVERALL % OF CORRECT ANSWERS: 82%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	162	128	79%
Question 2	162	141	87%
Question 3	162	142	88%
Question 4	162	133	82%
Question 5	162	104	67%
Question 6	162	142	88%

Student Learning Outcome: Problem Solving Skills - Students will be able to use mathematical skills to solve problems.

Criteria/Benchmark: 70% of the students evaluated in College Algebra will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the College Algebra faculty created six problem solving questions related to College Algebra and embedded into the Fall 2018 final examination. Faculty collected assessment results from 162 students representing 13 sections from the Moorhead campus and the Greenwood, GHEC, eLearning, and Dual Enrollment instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 4.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The College Algebra faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Improved the way objectives are presented and tested.
2. Modified several policies, such as the acceptance of late work
3. Used MATHO to review for tests
4. Worked together as a department to improve delivery and testing of mathematics objectives
5. Used our MathType program again
6. Focused more on students mastering basics
7. Worked two nights a week with football players during their evening study sessions
8. Shared grade summaries after each test

Greenwood Center:
9. Focused more on students mastering basics
10. Shared grade summaries after each test
11. Added a hybrid component to quizzes to force more student interaction outside of class

GHEC:
12. Tutored students after class to reinforce what has been taught during class
13. Pinpointed students' weaknesses in a timely manner in order to get students the additional help they need

eLearning:
14. Used our MathType program again
15. Worked together as a department to improve delivery and testing of mathematics objectives
16. Improved the way objectives are presented and tested.
17. Sent out two weekly reminders about due dates in Canvas instead of one
18. Modified several policies, such as the acceptance of late work and readmits

Dual Enrollment:
19. Provided more individual instruction time and practice
20. Have become more aware of students' needs and adapted instruction to assist each individual student in class
21. Enhanced the way in which technology is used in the classroom by allowing students to explore mathematical components using modern technology programs

Figure 5

Fall 2018 Technology Exam Embedded Results for Computer Applications and Evidence of Seeking Improvement

Fall 2018
Technology
Computer Applications
OVERALL % OF CORRECT ANSWERS: 90%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	154	144	94%
Question 2	154	142	92%
Question 3	154	117	76%
Question 4	154	145	94%
Question 5	154	150	97%
Question 6	154	133	86%

Student Learning Outcome: Technology Skills - Students will be able to identify and use appropriate computer applications.

Criteria/Benchmark: 70% of the students evaluated in Computer Applications will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Computer Applications faculty created six technology questions related to Computer Applications and embedded into the Fall 2018 final examination. Faculty collected assessment results from 154 students representing 13 sections the Moorhead campus and the Greenwood, GHEC, eLearning instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 5.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Computer Applications faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Utilized practice exercises more often in Mindtap software, which accompanies textbook
2. Although not a student learning improvement, the department made physical improvements to the computer lab including paint and carpet, which made for a better conducive learning environment and contributed to how students perceived the learning atmosphere
3. Enhanced the use of Canvas for instruction and assignment delivery
4. Used Mindtap and Canvas to deliver assignments
5. Used more relevant analogies in instruction
6. Increased the amount of time allowed for the completion of each assignment

Greenwood Center:
7. Utilized practice exercises more often in Mindtap software, which accompanies textbook
8. Upgraded the computer lab with 21 new computers, which allowed students to have access to cutting edge technology to learn the student learning outcomes for Computer Applications

GHEC:
9. Enhanced the use of Canvas for instruction and assignment delivery
10. Used Mindtap and Canvas to deliver assignments
11. Used more relevant analogies in instruction
12. Improved the correspondence between students and instructor through Canvas email interface

eLearning:
13. Utilized practice exercises more often in Mindtap software, which accompanies textbook

Figure 6

Fall 2018 Historical/Cultural Awareness Exam Embedded Results for World Civilization I and Evidence of Seeking Improvement

Fall 2018
Historical/Cultural Awareness
World Civilization I
OVERALL % OF CORRECT ANSWERS: 65%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	115	100	87%
Question 2	115	67	58%
Question 3	115	95	83%
Question 4	115	66	57%
Question 5	115	45	39%
Question 6	115	76	66%

Student Learning Outcome: Historical/Cultural Awareness- Students will be able to analyze how history and culture affect society.

Criteria/Benchmark: 70% of the students evaluated in World Civilization I will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the World Civilization I faculty created six historical/cultural questions related to World Civilization I and embedded into the Fall 2018 final examination. Faculty collected assessment results from 113 students representing 12 sections from the Moorhead campus and the GHEC and eLearning of Mississippi Delta Community College. Results from the assessment are provided in Figure 6.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The World Civilization I faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Added new videos and lecture
2. Utilized new computers for planning and delivering instruction
3. Used more information on different areas in history
4. Enhanced the course with more detailed information
5. Concentrated more in areas that may have been overlooked in the past
6. Researched more in areas in history to provide a better understanding for students
7. Used technology to enhance courses
8. Improved instruction in the courses taught
9. Used current events to relate to events in history

GHEC:
10. Added more assignments to Canvas (students appear to like the convenience and ability to access materials with phones and tablets)
11. Recorded all grades in Canvas, which allowed students to have access to their progress, grades, and averages at all times

eLearning:
12. Updated Canvas course
13. Made course more user-friendly for computer challenged students
14. Clarified instructions for student participation in class at the beginning of the semester

Figure 7

Fall 2018 Historical/Cultural Awareness Exam Embedded Results for US History I and Evidence of Seeking Improvement

Fall 2018
Historical/Cultural Awareness
US History I
OVERALL % OF CORRECT ANSWERS: 70%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	151	119	79%
Question 2	151	119	79%
Question 3	151	99	66%
Question 4	151	95	63%
Question 5	151	106	70%
Question 6	151	99	66%

Student Learning Outcome: Historical/Cultural Awareness- Students will be able to analyze how history and culture affect society.

Criteria/Benchmark: 70% of the students evaluated in US History I will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the US History I faculty created six historical/cultural questions related to US History I and embedded into the Fall 2018 final examination. Faculty collected assessment results from 151 students representing 8 sections from the Moorhead campus and the Greenwood, GHEC, eLearning, and Dual Enrollment instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 7.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The US History I faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Added more assignments to Canvas (students appear to like the convenience and ability to access materials with phones and tablets)
2. Recorded all grades in Canvas, which allowed students to have access to their progress, grades, and averages at all times
3. Added additional readings
4. Utilized new computers for planning and delivering instruction

Greenwood Center:
5. Added more simplistic examples
6. Included more visual aids in instruction
7. Implemented Socratic method in teaching

GHEC:
8. Added more assignments to Canvas (students appear to like the convenience and ability to access materials with phones and tablets)
9. Recorded all grades in Canvas, which allowed students to have access to their progress, grades, and averages at all times

eLearning:
10. Revised and streamlined the schedule and due dates in Canvas course
11. Required instructors to participate in two professional development sessions each year
12. Improved explanation of students' assignments
13. Provided frequent reminders of upcoming due dates
14. Improved communication among faculty, which improved communication with students

Dual Enrollment:
15. Included more geography skills in instruction in order to show the development of the US throughout history
16. Included weekly quizzes to ensure students are reading
17. Required more writing-3 DBQs and 5 free response essays.
18. Developed PowerPoint presentations for either enrichment or for notes. Loaded into Google Classroom for students to use to study for tests.
19. Added a treasure-trove of short videos on You-Tube to use as bell-ringers to start discussions on a topic
20. Posted class notes, announcements, and enrichment materials in Canvas
21. Attended historical seminars through state and national organizations

Figure 8

Fall 2018 Reading Comprehension Exam Embedded Results for Sociology I and Evidence of Seeking Improvement

Fall 2018
Reading Comprehension
Sociology
OVERALL % OF CORRECT ANSWERS: 90%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	211	188	89%
Question 2	211	198	94%
Question 3	211	205	97%
Question 4	211	197	93%
Question 5	211	193	91%
Question 6	211	164	78%

Student Learning Outcome: Reading Comprehension- Students will be able to comprehend readings from Sociology.

Criteria/Benchmark: 70% of the students evaluated in Sociology will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Sociology faculty created six reading comprehension questions related to Sociology and embedded into the Fall 2018 final examination. Faculty collected assessment results from 211 students representing 14 sections from the Moorhead campus and the Greenwood, GHEC, eLearning, and Dual Enrollment instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 8.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Sociology faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued...Evidence of Seeking Improvement...

Moorhead Campus:
1. Assigned more short answers reading assignments in class
2. Increased the number of YouTube videos to relate the subject matter to real life
3. Engaged students in more classroom discussion to better assess student understanding
4. Switching to a new, more current edition of the textbook Fall 2019
5. All instructors received new desktop computers, which allowed them to use new technology
6. Full-time instructors attended the Social Sciences Curriculum Alignment meeting in October to ensure the college is aligned with the current course goals and student learning outcomes. This meeting allowed instructors the opportunity to network with other social sciences instructors from other MS community colleges.
7. Enhanced student engagement by having students submit discussion questions in Canvas
8. Incorporated more technology into lectures to reinforce content
9. Utilized TVs, iPads, and New Computers in instruction
10. Worked with other faculty to improve teaching methods

Greenwood Center:
11. Improved time management methods in classroom instruction
12. Provided outreach to students in Leflore County area

GHEC:
13. Utilized new technology and equipment

eLearning:
14. Incorporated more technology into lectures to reinforce content
15. Utilized TVs, iPads, and New Computers in instruction

Dual Enrollment:
16. Integrated more technology and discussion into the classroom

Figure 9

Fall 2018 Communication Exam Embedded Results for Public Speaking and Evidence of Seeking Improvement

Fall 2018
Communication
Public Speaking
OVERALL % OF CORRECT ANSWERS: 61%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	331	206	62%
Question 2	331	226	68%
Question 3	331	180	54%
Question 4	331	228	69%
Question 5	331	169	51%
Question 6	331	199	60%

Student Learning Outcome: Communication- Students will be able to speak effectively.

Criteria/Benchmark: 70% of the students evaluated in Public Speaking will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Public Speaking faculty created six communication questions related to Public Speaking and embedded into the Fall 2018 final examination. Faculty collected assessment results from 331 students representing 16 sections from the Moorhead campus and the Greenwood, GHEC, and eLearning instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 9.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Public Speaking faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Improved speech labs required for every chapter
2. Requested iPads to use in public speaking classes

Greenwood Center:
3. Improved speech labs required for every chapter
4. Requested iPads to use in public speaking classes

GHEC:
5. Implemented more hands-on learning in the classroom
6. Integrated more technology usage in instruction including smart TVs and iPads

eLearning:
7. Changed the requirements for speech presentations regarding audience members (number of audience members, age of audience members, and showing audience members on camera during the entire video) to increase the integrity of the assignment
8. Developed and used speech labs to increase participation and retention in the course

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Figure 10

Fall 2018 Reading Comprehension Exam Embedded Results for Psychology and Evidence of Seeking Improvement

Fall 2018
Reading Comprehension
Psychology
OVERALL % OF CORRECT ANSWERS: 91%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	305	272	89%
Question 2	305	283	93%
Question 3	305	278	91%
Question 4	305	277	91%
Question 5	305	285	93%
Question 6	305	271	89%

Student Learning Outcome: Reading Comprehension- Students will be able to comprehend readings from Psychology.

Criteria/Benchmark: 70% of the students evaluated in Psychology will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Psychology faculty created six reading comprehension questions related to Psychology and embedded into the Fall 2018 final examination. Faculty collected assessment results from 305 students representing 13 sections from the Moorhead campus and the Greenwood, GHEC, and eLearning sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 10.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Psychology faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Incorporated more student contact with technology

Greenwood Center:

GHEC:
2. Used new technology in classroom instruction

eLearning:
3. Incorporated more class projects
4. Integrated technology in classroom and in eLearning courses
5. Increased email usage and calls to students

Figure 11

Fall 2018 Historical/Cultural Awareness Exam Embedded Results for Art Appreciation and Evidence of Seeking Improvement

Fall 2018
Historical/Cultural Awareness
Art Appreciation
OVERALL % OF CORRECT ANSWERS: 49%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	209	112	54%
Question 2	209	124	59%
Question 3	209	111	53%
Question 4	209	67	32%
Question 5	209	70	33%
Question 6	209	135	65%

Student Learning Outcome: Historical/Cultural Awareness- Students will be able to analyze how history and culture affect society.

Criteria/Benchmark: 70% of the students evaluated in Art Appreciation will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Art Appreciation faculty created six historical/cultural questions related to Art Appreciation and embedded into the Fall 2018 final examination. Faculty collected assessment results from 209 students representing 9 sections from the Moorhead campus and the Greenwood, GHEC, and eLearning sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 11.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Art Appreciation faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Changed to a digital book, which added a new paradigm that has resulted in repercussions (working out the kinks with Connect)
2. Invested more technology into teaching to help students with the digital transition
3. Moved to inclusive access with McGraw Hill Connect.
4. Requested more iPads in order to become a "smart classroom"

Greenwood Center:
5. Changed to a digital book, which added a new paradigm that has resulted in repercussions (working out the kinks with Connect)
6. Invested more technology into teaching to help students with the digital transition

GHEC:
7. Changed to a digital book, which added a new paradigm that has resulted in repercussions (working out the kinks with Connect)
8. Moved to inclusive access with McGraw Hill Connect.

eLearning:
9. Changed to a digital book, which added a new paradigm that has resulted in repercussions (working out the kinks with Connect)
10. Used Etext for the first time
11. Evaluated the videos used in the course and am revising and updating for next year

Figure 12

Fall 2018 Historical/Cultural Awareness Exam Embedded Results for Music Appreciation and Evidence of Seeking Improvement

Fall 2018
Historical/Cultural Awareness
Music Appreciation
OVERALL % OF CORRECT ANSWERS: 79%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	110	91	83%
Question 2	110	85	77%
Question 3	110	89	81%
Question 4	110	88	80%
Question 5	110	82	75%
Question 6	110	89	81%

Student Learning Outcome: Historical/Cultural Awareness- Students will be able to analyze how history and culture affect society.

Criteria/Benchmark: 70% of the students evaluated in Music Appreciation will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Music Appreciation faculty created six historical/cultural questions related to Music Appreciation and embedded into the Fall 2018 final examination. Faculty collected assessment results from 110 students representing 4 sections from the Moorhead campus and eLearning of Mississippi Delta Community College. Results from the assessment are provided in Figure 12.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Music Appreciation faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Added more live music to classroom instruction
2. Made the course more relevant to students and how the history of music relates to what students listen to today
3. Added Apple TVs and online video examples
4. Incorporated more diverse music examples representing world music
5. Added more emphasis on critical listening and written responses to musical examples
6. Incorporated more visual media (videos, photos, etc.)
7. Added an inclusive access textbook through McGraw Hill that incorporates interactive media through Connect
8. Integrated various updates to technology in music department including student lab with 6 Apple computers and state-of-the-art recording equipment

eLearning:
9. Incorporated more diverse music examples representing world music
10. Added more emphasis on critical listening and written responses to musical examples
11. Incorporated more visual media (videos, photos, etc.)
12. Added an inclusive access textbook through McGraw Hill that incorporates interactive media through Connect
13. Integrated various updates to technology in music department including student lab with 6 Apple computers and state-of-the-art recording equipment (researched ways to incorporate into online course)

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Figure 13

Fall 2018 Critical Thinking Exam Embedded Results for Principles of Biology and Evidence of Seeking Improvement

Fall 2018
Critical Thinking
Principles of Biology
OVERALL % OF CORRECT ANSWERS: 82%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	180	146	81%
Question 2	180	148	82%
Question 3	180	167	93%
Question 4	180	139	77%
Question 5	180	146	81%
Question 6	180	142	79%

Student Learning Outcome: Critical Thinking- Students will be able to think critically about a problem in science and formulate possible conclusions or solutions.

Criteria/Benchmark: 70% of the students evaluated in Principles of Biology will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Biology faculty created six critical thinking questions related to Principles of Biology and embedded into the Fall 2018 final examination. Faculty collected assessment results from 180 students representing 10 sections from the Moorhead campus and the Greenwood, GHEC, eLearning, and Dual Enrollment instructional sites of Mississippi Delta Community College. Results from the assessment are provided in Figure 13.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Principles of Biology faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Purchased more laboratory supplies and added more hands-on activities that correlate with lecture and helped to increase students' knowledge
2. Encouraged students to receive tutoring from two science instructors in the Student Success Center of Learning

Greenwood Center:
3. Incorporated short "updated" video clips found on both our library's resource page and Khan Academy
4. Expanded the lecture and lab room at the Greenwood Center
5. Received new computers to connect to Apple TVs, which enabled technology to be integrated into classroom instruction and learning

GHEC:
6. Added more review time – revised lab activities to strengthen areas
7. Added an on-site tutor for students needing science tutoring
8. Added discussion questions which promote course preparation and student interaction
9. Purchased new laboratory models and equipment for A&P and Biology labs

eLearning:
10. Purchased new LCD projector for the classroom

Dual Enrollment:
11. Rearranged lessons in order to have at last one hands-on experience either through the lab, video, or speaker after the lecture of a topic (to reinforce the materials being lectured on and to show the real-life connection)
12. Helped students connect the book to life and show how science is used daily in the world

Figure 14

Fall 2018 Critical Thinking Exam Embedded Results for Physical Science and Evidence of Seeking Improvement

Fall 2018
Critical Thinking
Physical Science
OVERALL % OF CORRECT ANSWERS: 82%

Question	# of Students Attempting Question	# of Students Answering Question Correctly	% of Students Answering Question Correctly
Question 1	66	59	89%
Question 2	66	53	80%
Question 3	66	49	74%
Question 4	66	56	85%
Question 5	66	55	83%
Question 6	66	53	80%

Student Learning Outcome: Critical Thinking- Students will be able to think critically about a problem in science and formulate possible conclusions or solutions.

Criteria/Benchmark: 70% of the students evaluated in Physical Science will answer each of the six embedded questions correctly.

Explanation of Processes: To evaluate this student learning outcome, the Physical Science faculty created six critical thinking questions related to Physical Science and embedded into the Fall 2018 final examination. Faculty collected assessment results from 66 students representing 5 sections from the Moorhead campus and Dual Enrollment of Mississippi Delta Community College Results from the assessment are provided in Figure 14.

Evidence of Seeking Improvement Based Upon Analysis of Results:
The Physical Science faculty analyzed the results from the Fall 2018 embedded examination results and made the following changes in order to meet the benchmark for the next assessment cycle:

Continued…Evidence of Seeking Improvement…

Moorhead Campus:
1. Added classroom demos and exit tickets
2. Updated quizzes and classroom demos
3. Added links to videos and tutorials and added quizzes to each section for reinforcement
4. Revised quizzes, exam, and mid-term
5. Added more information to the course
6. Incorporated more computer into instruction

Dual Enrollment:
7. Incorporated cross instruction and more critical thinking
8. Incorporated more videos and YouTube clips to classroom instruction
9. Allowed more critical thinking in the problem area of the course
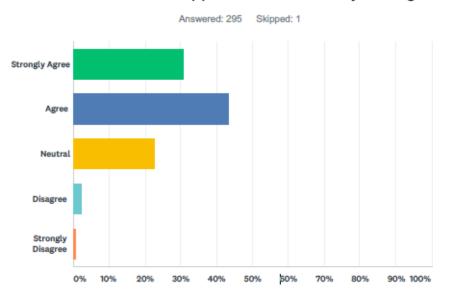10. Upgraded Smartboard software and bought new CBL equipment to use with speed acceleration and momentum

MDCC's Student Exit Survey Results – Indirect Assessment

In addition to the direct assessments of student learning for the general education competencies, Mississippi Delta assesses competencies through *MDCC's Student Exit Survey.* Six agreement statements related to student attainment of student learning of the general education core were included on the institution's annual *Student Exit Survey* in May of 2019. Distance education and dual enrollment students as well as students in Moorhead, Greenville, and Greenwood participated in the survey.

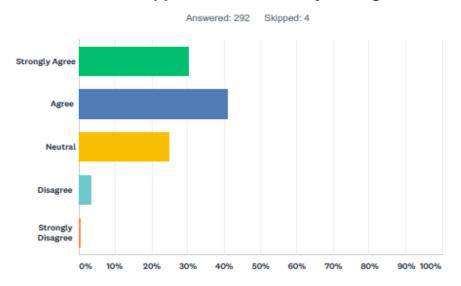| Competency	Competency Description
Reading Comprehension	Students will be able to comprehend readings from a variety of texts.
Technology Usage	Students will be able to identify and use appropriate computer applications.
Communication Skills	Students will be able to write and speak effectively.
Problem Solving	Students will be able to use mathematics and science reasoning to solve problems.
Critical Thinking	Students will be able to think critically about a problem and formulate possible conclusions or solutions.
Historical/Cultural Awareness	Students will be able to analyze how history and culture affect society.

Q3 My reading comprehension skills have improved since completing courses at Mississippi Delta Community College:

Answered: 295   Skipped: 1
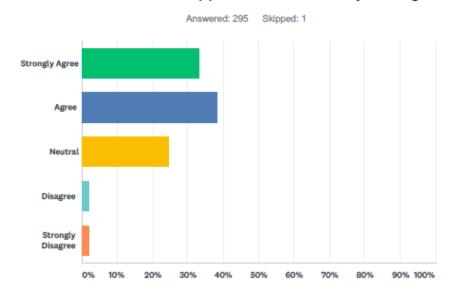

ANSWER CHOICES	RESPONSES	
Strongly Agree	30.85%	91
Agree	43.39%	128
Neutral	22.71%	67
Disagree	2.37%	7
Strongly Disagree	0.68%	2
TOTAL		295

Q4 My technology skills have improved since completing courses at Mississippi Delta Community College:
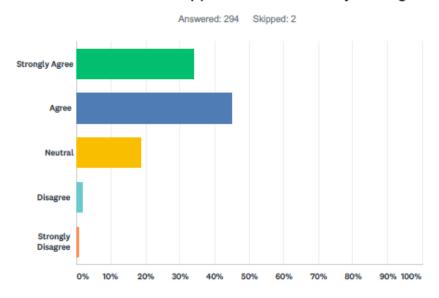
Answered: 292   Skipped: 4

ANSWER CHOICES	RESPONSES	
Strongly Agree	30.14%	88
Agree	41.10%	120
Neutral	25.00%	73
Disagree	3.42%	10
Strongly Disagree	0.34%	1
TOTAL		292

Q5 My oral communication skills have improved since completing courses at Mississippi Delta Community College:
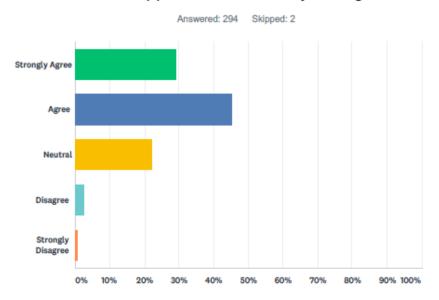
Answered: 295   Skipped: 1

ANSWER CHOICES	RESPONSES	
Strongly Agree	33.22%	98
Agree	38.31%	113
Neutral	24.41%	72
Disagree	2.03%	6
Strongly Disagree	2.03%	6
TOTAL		295

Q6 My written communication skills have improved since completing courses at Mississippi Delta Community College:

Answered: 294   Skipped: 2

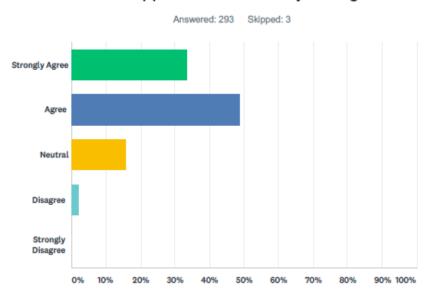| ANSWER CHOICES	RESPONSES	
Strongly Agree	34.01%	100
Agree	44.90%	132
Neutral	18.71%	55
Disagree	1.70%	5
Strongly Disagree	0.68%	2
TOTAL		294

Q7 My problem solving skills have improved since completing courses at Mississippi Delta Community College:

Answered: 294   Skipped: 2

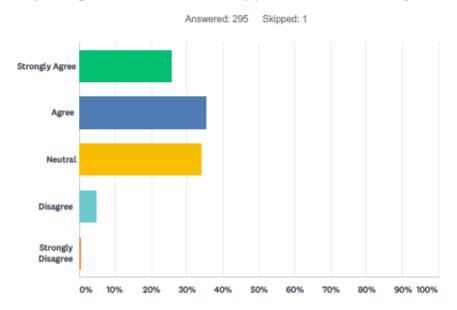| ANSWER CHOICES	RESPONSES	
Strongly Agree	29.25%	86
Agree	45.24%	133
Neutral	22.11%	65
Disagree	2.72%	8
Strongly Disagree	0.68%	2
TOTAL		294

Q8 My critical thinking skills have improved since completing courses at Mississippi Delta Community College:

Answered: 293   Skipped: 3

ANSWER CHOICES	RESPONSES	
Strongly Agree	33.45%	98
Agree	48.81%	143
Neutral	15.70%	46
Disagree	2.05%	6
Strongly Disagree	0.00%	0
TOTAL		293

Q9 My historical and cultural awareness skills have improved since completing courses at Mississippi Delta Community College:

Answered: 295   Skipped: 1

ANSWER CHOICES	RESPONSES	
Strongly Agree	25.76%	76
Agree	35.25%	104
Neutral	33.90%	100
Disagree	4.75%	14
Strongly Disagree	0.34%	1
TOTAL		295