

PROGRAM ASSESSMENT PLAN AND ASSESSMENT REPORT (Academic Year 2018-2019)

Program: Certificate in Applied Science in Medical Coding

A. Program Learning Outcomes Summary			
Program Learning Outcome		Primary Targeted Courses	Methods of Assessment
A1	Apply diagnostic and procedure principles and guidelines	MEDC201, MEDC203, MEDC205, MEDC240	Comprehensive Final Exam Homework/Quizzes
A2	Use medical office billing guidelines and procedures	MEDC150	Comprehensive Final Exam Homework/Quizzes
A3	Utilize medical terminology as well as knowledge of human anatomy and physiology, and basic pharmacology to assign medical codes	MEDC101	Comprehensive Final Exam Homework/Quizzes
A4	Interpret medical records for completeness, accuracy, and compliance with regulations	MEDC201, MEDC203, MEDC205, MEDC240, MEDC250	Comprehensive Final Exam Homework/Quizzes End of Semester Presentation and paper

Course Key Listing

MEDC 101	Medical Terminology	MEDC 205	CPT/HCPCS Medical Coding
MEDC 150	Insurance Billing	MEDC 240	Advanced Coding Concepts
MEDC 201	Diagnostic Medical Coding	MEDC 250	Medical Coding Directed Practicum (160) hours
MEDC 203	Procedural Medical Coding		

B. Analysis of Results – CAS in Medical Coding

Analysis of Results

Performance Measure (Competency)	Description of Measurement	Areas of Success	Analysis and Action Taken	Results of Actions Taken (during the following year)	Insert Graph or Chart of Resulting Trends (graph up to five years of data)										
A1 Apply diagnostic and procedure principles and guidelines	MEDC201 - 80% of students receive 80% or better on Final Exam	MEDC201 – 87% of students scored 80% or better on the Final Exam in the face to face course MEDC201 – 81% of those students taking the exam scored 80% or better on the Final Exam in the online course	Objective was met for the online and face to face courses.	No further action needed. Another year of data needed before changing the measure.	<table border="1" style="display: none;"> <caption>Final Exam Data (A1)</caption> <thead> <tr> <th>Year</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>~90</td> </tr> <tr> <td>SP 2016</td> <td>~0</td> </tr> <tr> <td>FA 2016</td> <td>~60</td> </tr> <tr> <td>SP 2017</td> <td>~0</td> </tr> </tbody> </table>	Year	Score	FA 2015	~90	SP 2016	~0	FA 2016	~60	SP 2017	~0
	Year	Score													
	FA 2015	~90													
SP 2016	~0														
FA 2016	~60														
SP 2017	~0														
MEDC203 - 75% of students receive 75% or better on Final Exam	MEDC203 – 79% of students scored 75% or better on the Final Exam in the face to face course. MEDC203 – 65% of students scored 75% or better on the Final Exam in the.	Objective was met for course. Objective was not met, One student failed the final.	No further action needed. Another year of data needed before changing the measure. This was the second semester to offer online. Keep the current measure for another year of data. Additional assignments will be implemented.	<table border="1" style="display: none;"> <caption>Final Exam Data (A1)</caption> <thead> <tr> <th>Year</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>~100%</td> </tr> <tr> <td>SP 2016</td> <td>~0%</td> </tr> <tr> <td>FA 2016</td> <td>~50%</td> </tr> <tr> <td>SP 2017</td> <td>~0%</td> </tr> </tbody> </table>	Year	Score	FA 2015	~100%	SP 2016	~0%	FA 2016	~50%	SP 2017	~0%	
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FA 2016	~50%														
SP 2017	~0%														

B. Analysis of Results – CAS in Medical Coding

	<p>MEDC205 - 75% of students receive 75% or better on Cardio timed homework.</p>	<p>MEDC205 – 81% of students scored 75% or better on the Final Exam</p>	<p>Objective was met for course..</p>		<table border="1" style="display: none;"> <caption>Final Exam A1 Data</caption> <thead> <tr> <th>Term</th> <th>Score (%)</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>0</td> </tr> <tr> <td>SP 2016</td> <td>85</td> </tr> <tr> <td>FA 2016</td> <td>0</td> </tr> <tr> <td>SP 2107</td> <td>65</td> </tr> </tbody> </table>	Term	Score (%)	FA 2015	0	SP 2016	85	FA 2016	0	SP 2107	65
Term	Score (%)														
FA 2015	0														
SP 2016	85														
FA 2016	0														
SP 2107	65														
	<p>MEDC240 - 70% of students receive 70% or better on Final Exam</p>	<p>MEDC240 –78% of students scored 70% or better on the Final Exam</p>	<p>Objective was met for the course. No change is needed at this time.</p>		<table border="1" style="display: none;"> <caption>Final Exam A1 Data</caption> <thead> <tr> <th>Term</th> <th>Score (%)</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>0</td> </tr> <tr> <td>SP 2016</td> <td>78</td> </tr> <tr> <td>FA 2016</td> <td>0</td> </tr> <tr> <td>SP 2017</td> <td>70</td> </tr> </tbody> </table>	Term	Score (%)	FA 2015	0	SP 2016	78	FA 2016	0	SP 2017	70
Term	Score (%)														
FA 2015	0														
SP 2016	78														
FA 2016	0														
SP 2017	70														
<p>A2 Use medical office billing guidelines and procedures</p>	<p>MEDC150 - 70% of students receive 70% or better on Final Exam</p>	<p>MEDC150 – 90% of students scored 70% or better on the Final Exam in the face to face course</p> <p>68% of students scored 70% or better on the Final Exam for online.</p>	<p>Objective was met for the course. No change is needed at this time.</p>		<table border="1" style="display: none;"> <caption>Final Exam A2 Data</caption> <thead> <tr> <th>Term</th> <th>Score (%)</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>79</td> </tr> <tr> <td>SP 2016</td> <td>0</td> </tr> <tr> <td>FA 2016</td> <td>77</td> </tr> <tr> <td>SP 2017</td> <td>0</td> </tr> </tbody> </table>	Term	Score (%)	FA 2015	79	SP 2016	0	FA 2016	77	SP 2017	0
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B. Analysis of Results – CAS in Medical Coding

<p>A3 Utilize medical terminology as well as knowledge of human anatomy and physiology, and basic pharmacology to assign medical codes</p>	<p>MEDC101 - 70% of students receive 70% or better on Final Exam</p>	<p>MEDC101 – 67% of students scored 70% or better on the Final Exam. This was an online class.</p>	<p>Objective of the course was not met. Two students did not pass the final exam.</p> <p>Utilize StudyMate throughout the semester.</p>	<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center; margin: 0;">Final Exam</p> <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>Final Exam Data</caption> <thead> <tr> <th>Term</th> <th>Score (%)</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>70</td> </tr> <tr> <td>SP 2016</td> <td>0</td> </tr> <tr> <td>FA 2016</td> <td>0</td> </tr> <tr> <td>SP 2017</td> <td>0</td> </tr> </tbody> </table> </div>	Term	Score (%)	FA 2015	70	SP 2016	0	FA 2016	0	SP 2017	0
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FA 2015	70													
SP 2016	0													
FA 2016	0													
SP 2017	0													

<p>A4 Interpret medical records for completeness, accuracy, and compliance with regulations</p>	<p>MEDC201 - 80% of students receive 75% or better on Final Exam</p>	<p>MEDC201 – 87% of students scored 75% or better on the Final Exam in the face to face course.</p>	<p>Objective was met for course.</p>	<p>The three bar charts show the percentage of students who received a grade of A4 on the Final Exam. The top chart shows results for MEDC201 (80% or better) with bars for FA 2015 (~80%), SP 2016 (~80%), FA 2016 (~80%), and SP 2017 (~80%). The middle chart shows results for MEDC203 (75% or better) with bars for FA 2015 (0%), SP 2016 (0%), FA 2016 (~75%), and SP 2017 (0%). The bottom chart shows results for MEDC205 (75% or better) with bars for FA 2015 (0%), SP 2016 (~80%), FA 2016 (0%), and SP 2017 (~80%).</p>
	<p>MEDC203 - 75% of students receive 75% or better on Final Exam</p>	<p>MEDC203 – 79 % of students scored 75% or better on the Final Exam in the face to face course.</p>	<p>Objective was met for this course. Although one individual did fail the final. Additional assignments throughout the semester along with StudyMate</p>	
	<p>MEDC203 - 75% of students receive 75% or better on Final Exam</p>	<p>MEDC203 – 65% of students scored 75% or better on the Final Exam in the online course</p>	<p>Objective was met for face to face course. Additional case studies will be added</p>	
<p>MEDC205 - 75% of students receive 75% or better on Final Exam</p>	<p>MEDC205 – 81% of students scored 75% or better on the Final Exam</p>	<p>Objective was not met for online course. One student failed the final. Additional assignments and StudyMate will be implemented. Students did increase from 2018 which was 44%</p>	<p>Objective was met for course.</p>	

B. Analysis of Results – CAS in Medical Coding

	<p>MEDC240 - 70% of students receive 70% or better on Final Exam</p>	<p>MEDC240 –78 of students scored 70% or better on the Final Exam</p>	<p>Objective was met for course. No change at this time.</p>	<div style="border: 1px solid gray; padding: 10px; margin-bottom: 10px;"> <h3 style="text-align: center;">Final Exam</h3> <table border="1" style="margin-top: 5px;"> <caption>MEDC240 Final Exam Scores</caption> <thead> <tr> <th>Category</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>65</td> </tr> <tr> <td>SP 2016</td> <td>70</td> </tr> <tr> <td>FA 2016</td> <td>65</td> </tr> <tr> <td>SP 2017</td> <td>72</td> </tr> </tbody> </table> </div>	Category	Score	FA 2015	65	SP 2016	70	FA 2016	65	SP 2017	72
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FA 2015	65													
SP 2016	70													
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	<p>MEDC250 –95% of students will receive 95% or better on the Practicum site supervisor evaluation.</p>	<p>MEDC250 – 98% of students scored 95% or better on the practicum site supervisor evaluation.</p>	<p>Objective was met for course. The criteria was changed to reflect the success of the student at the actual Directed Practicum site which represents their ability to be hired in the workforce</p>	<div style="border: 1px solid gray; padding: 10px;"> <h3 style="text-align: center;">Final Exam</h3> <table border="1" style="margin-top: 5px;"> <caption>MEDC250 Final Exam Scores</caption> <thead> <tr> <th>Category</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>FA 2015</td> <td>90</td> </tr> <tr> <td>SP 2016</td> <td>100</td> </tr> <tr> <td>FA 2016</td> <td>90</td> </tr> <tr> <td>SP 2017</td> <td>95</td> </tr> </tbody> </table> </div>	Category	Score	FA 2015	90	SP 2016	100	FA 2016	90	SP 2017	95
Category	Score													
FA 2015	90													
SP 2016	100													
FA 2016	90													
SP 2017	95													

C. Course Specific Outcomes Assessment Plan

	Criteria For Evaluation							
Program Learning Outcome Assessed		101	150	201	203	240	250	
Apply diagnostic and procedure principles and guidelines	A1			x	x	x	x	
Use medical office billing guidelines and procedures	A2		x					
Utilize medical terminology as well as knowledge of human anatomy and physiology, and basic pharmacology to assign medical codes	A3	x						
Interpret medical records for completeness, accuracy, and compliance with regulations	A4			x	x	x	x	
Assessment Year (2015, 16, 17, 18)								
<u>Methods of Assessment</u>								
Reflective Paper and Presentation							x	At least 90% of students receive 80% on projects according to grading rubric.
Comprehensive Final Exams		X	x	x	x	x		At least 70% of students receive 75% on final exams.
Program Assessment							x	A new assessment was implemented 2019. Results being reviewed
Homework and/or Quizzes		X	x	x	x	x		At least 70% of students accurately complete homework at 75% ratings on or above. 75% of students receive passing quiz grades of 70% or better.

C. Course Specific Assessment Report

Course Selected for Review:

MEDC 240 Advanced Medical Coding

Program:
CAS in Medical Coding
Date Being Reviewed:
2018-2019

Instructor:
Maggie McCabe
Program Coordinator:
Maggie McCabe

Course Specific Student Learning Outcomes		Methods of Assessment	Criteria for Success	Summary of Assessment Data Collected	Actions Taken Based on Findings
C1	Apply knowledge gained in the study of biology, human disease, pharmacology, and basic coding classes for accurate coding of intermediate and advanced inpatient, ambulatory surgery, and physician-based case	Final Exam	81% of students will score better than 75% on final exam	81% of students scored better than 75% on the exams	Objective was met for course.
C2	Recognize the contents of the health record as it appears in various settings and specialties in both paper and electronic formats. Demonstrate the ability to extrapolate pertinent information consistent with approved coding rules and guidelines in coding diagnosis and procedures	Module 1 Exam	80% of students will score better than 75% on exams	93% of students scored better than 75% on the Exams.	Objective was met for course
C3	List the different conditions and elements required for correct assignment of Diagnostic Related Groups (DRG) under both the MS-DRG and APR-DRG grouping schemes.	There is not an assessment for this outcome.			Evaluation needs to be conducted for possible assessment or eliminate the outcome

C. Course Specific Assessment Report

Course Selected for Review:

MEDC 240 Advanced Medical Coding

<u>Program:</u> CAS in Medical Coding		<u>Instructor:</u> Maggie McCabe		
<u>Date Being Reviewed:</u> 2018-2019		<u>Program Coordinator:</u> Maggie McCabe		
Course Specific Student Learning Outcomes	Methods of Assessment	Criteria for Success	Summary of Assessment Data Collected	Actions Taken Based on Findings
C4 Apply UHDDS definitions and sequencing rules to ensure the most accurate DRG assignment for inpatient cases.	Study Guide	70% of students will score better than 75% on Study Guide	66% of students scored better than 75% on Study Guide	Objective was not met for course. One student did not complete the study guide therefore received a zero.
C5 Demonstrate proficiency in using the encoder to perform diagnosis and procedure coding, respond to online code edits, and perform MS-DRG or other grouping	There is not an assessment for this outcome.			Evaluation needs to be conducted for possible assessment or eliminate the outcome.