Course Assessment– Part B: Your Results & Analysis   #136

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MP 150 Intro to Electronic Health Records – Mimi Pentz – Spring 2016

Part B: Your Results

1a. Report the outcome achievement data gathered via the assignments, test, etc. you identified for each outcomes (question 3) of your Part A. *

Average Midterm 94%
Average Final 90%
Average Total 92%

1b. Report the percentage of students who successfully achieved each outcome that you identified in (question 3) of your Part A.

Outcome #1 *

Incorporate knowledge of EHR and Personal Health Record (PHR) into their personal health care decisions:

At the beginning of the semester 46%* of students felt they were utilizing their EHR and PHI knowledge in their personal healthcare at a less than "good" level; at courses end only 3 students felt they were utilizing their knowledge at a least than desired level. There was an overall improvement of 46%.*
A report assigned on this subject indicated the majority of the students did feel the information and experiences in MP150 would lend to an improvement in their personal healthcare decisions and how they interact with their care providers.
*percentages based on the 2016 Student Surveys

% of students who successfully achieved the outcome: *

93

Outcome #2 *

Apply relevant ethical, legal, security and policy principles to the use of EHR's within the health information technology environment.
Chapter 10 of the curriculum covers Privacy and Security of Health Records, which encompasses the above outcome. The average Knowledge Test score for that chapter was 100%. The Student Surveys also indicated an improvement of almost 50% in how well the class feel they understand this section. Their Final Test scores are also indicative of a good grasp of the ethical, legal, security and policy principles with no one scoring below a 70%.

% of students who successfully achieved the outcome: *

100

Outcome #3 *

Analyze trends in EHR data and utilization to improve patient care and population health:

Student surveys show a 92% improvement in student's confidence in meeting this outcome. Chapter 7 and 8 both indicate their competency with an average score of 99% for each. Final Test also covered these principles and the average score are also reveals an above average understanding with a 90% average.

% of students who successfully achieved the outcome: *

100

Analysis

Reflect on your assessment results and provide analysis, considering what contributes to student success and/or lack of success. Include feedback from student course evaluations as appropriate. *

The most obvious trend of the Student Surveys was a lot of confusion regarding the schedule (homework, due dates, reading requirements). It is referred to as a schedule in many comments.
Final grades indicate a higher than average score across-the-board which is concerning in that I may not be challenging them enough. Lack of challenge combined with "dry content" and "book errors", while does not appear to have had too much negative effect on their gaining the know-how and understanding to perform, it has been an obvious barrier in keeping students interested. "Online", "online", and "online" was the number one request in the surveys and in class, this is definitely something to consider.

Based on your analysis in the questions above, what course adjustments are warranted (curricular, pedagogical, etc.)? *

While the intended Outcomes were met, there are a number of changes I hope to make in preparation for the coming year.
– More focus on current EHR issue-s that related to the subject matter-engaging
– Updated Outcomes-giving the students a better grasp of what they can look forward to from this class
– A more simplified/concise Class Schedule
– Additional introduction handout of do's and don'ts to clear up other confusion (ie: working from home)
– "Spice up" powerpoints

Based on surveys the popular opinion is to move this course online. Which I am hoping to see happen within the next 2 years. I believe this will help students to rely less on those around them for the "easy questions" and have to troubleshoot the EHR system as well as improving the frustration for the more computer savvy students.

What resources would be required to implement your recommended course adjustments (materials, training, equipment, etc.)? What Budget implications result? *	Most desired course adjustment will require time and research, on my part. The most challenging will be getting this course online. As I will need educated in the workings of Moodle and would be starting from the bottom up.
Were your assessment methods accurate indicators of student learning? Why or why not? Any additional comments?	The Outcomes I have been using are a little broad. While I believe they do give sufficient information, it maybe more effective to narrow them down in the future.
(OPTIONAL) Reflect on any adjustments you made from the last assessment of this course and their effectiveness in student achievement of outcomes?	

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