

COURSE ASSESSMENT REPORT

I. Background Information

1. Course assessed:
 Course Discipline Code and Number: PTA 225
 Course Title: Therapeutic Exercise II
 Division/Department Codes: Math, Science, Health
2. Semester assessment was conducted (check one):
☐ Fall 20__
☐ Winter 20__
☒ Spring/Summer 2012__
3. Assessment tool(s) used: check all that apply.
☐ Portfolio
☐ Standardized test
☐ Other external certification/licensure exam (specify):
☐ Survey
☐ Prompt
☐ Departmental exam
☐ Capstone experience (specify):
 X Other (specify): Final Written Exam, Final Practical Exam, Practical Exam II, Case Study Presentation and Clinical Performance Instrument (CPI)
4. Have these tools been used before?
☐ Yes
☒ No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.
 This is the first assessment report for this course. Practical Exam II and the Case Studies were not listed on the original master syllabus. These assessments were added to the course once it started to fully assess students progress related to course outcomes and objectives.

5. Indicate the number of students assessed and the total number of students enrolled in the course.
 2010: 10 students assessed out of 17 enrolled
 2011: 10 students assessed out of 20 enrolled

Only 2 years of data has been collected. 2009 data was not able to be located.

6. If all students were not assessed, describe how students were selected for the assessment. *(Include your sampling method and rationale.)* Students were randomly selected from the whole class.

II. Results

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.

This is the first assessment report for this course. Practical Exam II and the Case Studies were not listed on the original master syllabus. These assessments were added to the course once it started (2008) to fully assess student's progress related to course outcomes and objectives.

Also, In 2010, the Clinical Performance Instrument (CPI), a standard assessment tool used for clinicals was revised by the American Physical Therapy Association. The WCC PTA Program implemented the revised tool in 2010.

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*

1. Administer, monitor and adjust appropriate therapeutic exercise interventions including:
 Neuromuscular re-education
 Developmental activities
 Fine and gross motor skills
 Relaxation, inhibition and facilitation

COURSE ASSESSMENT REPORT

In order to implement and progress a plan of care developed by the physical therapist.

2. Identify components and demonstrate therapeutic exercise for specific systems and diagnoses including neurological and traumatic conditions.

3. Identify and describe the relationship between therapeutic interventions and the long and short-term goals identified in the plan of care developed by the physical therapist, the patient/client outcomes and discharge planning.

2. For each outcome that was assessed, indicate the standard of success exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*

From the Original Master Syllabus(The Standards of Success were not tied specifically to an outcome):

Outcome #1:

80% of students will score 73% or higher on the intervention section of the practical lab final.

80% of students will score at 90% or above on sections 10, 11, and 12 on the Clinical performance Instrument for PTA 250 (2010).

Outcome #2:

80% of the students will score 73% or higher on the written final exam.

Additional Standards of Success based on Assessment tools added to the course and used for this report:

Outcome #1:

80% of the students assessed will score "Entry level" on the Clinical Performance Instrument (2011) in the areas of Clinical Problem Solving, Therapeutic Exercise, Therapeutic Technique, and Functional Training.

Outcome #2:

80% of the students will score 73% or higher on PTA 225 Practical II.

Outcome #3:

80% of students assessed will score 80% or better on the Case Study.

3. Briefly describe assessment results based on data collected during the course assessment. Indicate the extent to which students are achieving each of the learning outcomes listed above and state whether the standard of success was met for each outcome. ***In a separate document, include a summary of the data collected and any rubrics or scoring guides used for the assessment.***

Based on the review of the all the assessment tools used for PTA 225 and the data collected, students overall are achieving the learning outcomes as listed for this course. For Outcome #1, Students scored very well on the final practical exam. The average for score for the final practical was 91.8% in 2010, and 96.5% 2011. 100% of the students surveyed for 2010 and 2011 passed with a 73% or higher. In further review, in these two years, 100% of the students passed with an 80% or higher grade. This exam asks the students to perform a therapeutic intervention to improve a functional skill based on information given in a short patient scenario. This encompasses critical thinking, handling skills, communication, and safety. To see if this is carried over into the clinic – which gives a bigger perspective on how students learned in PTA 225- the Clinical Performance Instrument was reviewed. In each year, students did very well in the areas of Therapeutic Exercise and Functional skills. In 2010, under the older version of the CPI, 100% of the students scored 90% or better. This is considered Entry Level. In 2011, the new version of the CPI was implemented. Here, 90% of the students achieved Entry Level. The one student who did not achieve the standard had a very complex caseload – appropriate, but in many situations the skills required were slightly above their ability at this point.

For Outcome #2, again the students performed very well indicating that the outcomes are being achieved. PTA 225 Lab Practical II was reviewed. This assessment requires the students to verbally explain concepts and then demonstrate specific techniques based on their explanation and related to a short patient scenario. In 2010, The average score on Lab Practical II was a 91.7% with 100% passing with a 73% or higher and 90% of the students assessed passing with a 80% or greater. In review of the PTA 225 Final Written Exam, again students performed well. Overall the average score of those students assessed was 89%. Several individual questions from this exam were also reviewed as they relate to the outcomes. From the questions selected, the

COURSE ASSESSMENT REPORT

overall average of correct responses was 86.3 %. The questions that scored lower were consistent in the two years reviewed. These will be further reviewed for possible revision if appropriate based on curriculum taught. In 2011, 100% of those students reviewed scored at 73% or higher and 100% were above 80%. The overall average score for 2011 was 88.7%. Looking at the responses on selected questions related to objectives, the overall average of correct responses was 86.3%.

For Outcome #3, the Case Study was used for assessment of this outcome. This case study is a group project, with 2-3 students in a group. Students are given an in depth description of a patient condition and the evaluation, goals and treatment plan as completed by the Physical Therapist (the instructor for the course). Students are asked to then develop intervention and treatment progression ideas and short term goals for the patient. They are also asked to write a description of their findings related to the patient's diagnosis, and then present and demonstrate their findings and intervention ideas to the class. For this tool, the demonstration portion was specifically reviewed. In 2010, overall, 100% of the groups passed with an 80% or higher. The average score was 90.5%. In 2011, 100% passed the demonstration portion with an 80% or higher. The average score was 98%.

4. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in the assessment results. *(This should be an interpretation of the assessment results described above and a thoughtful analysis of student performance.)*

Strengths: The strength's seem to be that the assessment tools, especially Practical II and the Final Written Practical assess the student's knowledge, technical skills and critical thinking ability in more complex patient scenarios. These tools require students not only to perform a certain designated skill but they are asked to progress the patient based on what they know. This is a very important element prior to their last clinical rotations.

Weaknesses: While the CPI is an excellent tool for assessing clinical performance, it is very challenging to tease out specific information related to the material covered in PTA 225. In the Clinic some students may not have the opportunity to work with the type of patients (more neurological involved) that are covered in PTA 225.

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses. *(If students met all expectations, describe your plan for continuous improvement.)* In the future, it is recommended that if the CPI is used to assess this course, that those students who are placed in clinics where neurological patients may be seen are the ones used for PTA 225 course assessment.
2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.
 - a. ☒ Outcomes/Assessments on the Master Syllabus
Change/rationale: The outcomes will be more clearly defined from each other.
 - b. ☒ Objectives/Evaluation on the Master Syllabus
Change/rationale: The Objectives will be rewritten to be more concise.
 - c. ☐ Course pre-requisites on the Master Syllabus
Change/rationale:
 - d. ☒ 1st Day Handouts
Change/rationale: Please see "a" and "b" above
 - e. ☐ Course assignments
Change/rationale:
 - f. ☒ Course materials (check all that apply)
 - ☒ Textbook (1 more supplemental and 1 more required text has been added)
 - ☐ Handouts

COURSE ASSESSMENT REPORT

☐ Other:

g. ☐ Instructional methods
Change/rationale:

h. ☐ Individual lessons & activities
Change/rationale:

3. What is the timeline for implementing these actions? Fall 2011

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course. Overall, the assessment tools used for this Course Assessment Report were effective. It is felt that the CPI was not as effective.

2. If the assessment tools were not effective, describe the changes that will be made for future assessments. At this time, it is recommended that the CPI not be used for course assessment.

3. Which outcomes from the master syllabus have been addressed in this report?

All X Selected _____

If "All", provide the report date for the next full review: Winter 2015

If "Selected", provide the report date for remaining outcomes: _____

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