Washtenaw Community College Comprehensive Report

PTA 160 Therapeutic Procedures II
Effective Term: Fall 2023

Course Cover
College: Health Sciences
Division: Health Sciences
Department: Allied Health
Discipline: Physical Therapist Assistant
Course Number: 160
Org Number: 15800
Full Course Title: Therapeutic Procedures II
Transcript Title: Therapeutic Procedures II
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Three Year Review / Assessment Report
Change Information:
    Course description
    Outcomes/Assessment
    Objectives/Evaluation
Rationale: This is an update of what is currently contained within this course.
Proposed Start Semester: Winter 2023
Course Description: In this course, students will practice the therapeutic management skills for safe and appropriate use with patients in their role as a physical therapist assistant. Lecture, demonstrations, lab practice, patient simulations, and additional resources will be used to develop decision-making and problem-solving skills with an emphasis on safety. Topics include, but are not limited to, management of the cardiac patient, wound management, pulmonary hygiene, orthotic education and management, management of the patient with an amputation including pre-prosthetic training and prosthetic management, lymphedema management, and environmental accessibility.

Course Credit Hours
Variable hours: Yes
Credits: 0 – 2
Lecture Hours: Instructor: 15 **Student:** 15
Lab: Instructor: 30 **Student:** 30
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 0 to 45 **Student:** 0 to 45
Repeatable for Credit: NO
Grading Methods: Letter Grades
Audit
Are lectures, labs, or clinicals offered as separate sections?: YES (separate sections)

College-Level Reading and Writing
College-level Reading & Writing

College-Level Math

General Education

Request Course Transfer
Proposed For:

Student Learning Outcomes

1. Explain the indications for an orthotic and prosthetic device, distinguish between the different types of orthotic and prosthetic devices that are appropriate for the patient's functional needs, and execute the skills needed for preparation of a residual limb for a prosthetic device.
    Assessment 1
        Assessment Tool: Outcome-related exam questions
        Assessment Date: Winter 2023
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All
        Number students to be assessed: All
        How the assessment will be scored: Departmentally-developed rubric
        Standard of success to be used for this assessment: 85% of students will score 83% or higher.
        Who will score and analyze the data: Departmental faculty
    Assessment 2
        Assessment Tool: Outcome-related skill-check assessments
        Assessment Date: Winter 2023
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All
        Number students to be assessed: All
        How the assessment will be scored: Departmentally-developed rubric
        Standard of success to be used for this assessment: 90% of students will score 83% or higher.
        Who will score and analyze the data: Departmental faculty

2. Explain the indications for wound management, distinguish between the different types of wound dressings that are appropriate for the patient's needs, and execute the skills needed for wound management in an infection-controlled environment.
    Assessment 1
        Assessment Tool: Outcome-related exam questions
        Assessment Date: Winter 2023
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All
        Number students to be assessed: All
        How the assessment will be scored: Departmentally-developed rubric
        Standard of success to be used for this assessment: 85% of students will score 83% or higher.
        Who will score and analyze the data: Departmental faculty
    Assessment 2
        Assessment Tool: Outcome-related skill-check assessments
        Assessment Date: Winter 2023
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All
        Number students to be assessed: All
        How the assessment will be scored: Departmentally-developed rubric
        Standard of success to be used for this assessment: 90% of students will score 83% or higher.
        Who will score and analyze the data: Departmental faculty

3. Explain the indications for pulmonary hygiene, distinguish between the different types and levels of intervention of pulmonary hygiene that are appropriate for the patient's needs, and execute the skills needed for pulmonary hygiene.

Assessment 1

Assessment Tool: Outcome-related exam questions
Assessment Date: Winter 2023
Assessment Cycle: Every Three Years
Course section(s)/other population: All
Number students to be assessed: All
How the assessment will be scored: Departmentally-developed rubric
Standard of success to be used for this assessment: 85% of students will score 83% or higher.
Who will score and analyze the data: Departmental faculty

4. Demonstrate competence in caring for patients with cancer including lymphedema management.

Assessment 1

Assessment Tool: Outcome-related skill-check assessments
Assessment Date: Winter 2023
Assessment Cycle: Every Three Years
Course section(s)/other population: All
Number students to be assessed: All
How the assessment will be scored: Departmentally-developed rubric
Standard of success to be used for this assessment: 90% of students will score 83% or higher.
Who will score and analyze the data: Departmental faculty

Course Objectives

1. Explain indications, contraindications, and precautions in the use of an orthosis and prosthesis.
2. Identify basic components of an orthosis and prosthesis.
3. Devise a patient education plan in the correct use and care of orthosis and prosthesis.
4. Analyze incorrect gait patterns and potential causes in a patient using a lower extremity prosthesis.
5. Explain indications, contraindications, and precautions for wound management.
6. Distinguish between the different types of wound dressing and the indications for use of one over another.
7. Devise a patient education plan for maintenance or healing of skin integrity.
8. Properly set up a sterile field.
9. Properly don, doff, and dispose of personal protective equipment, including sterile gloves, when working with a patient on wound management.
10. Explain indications, contraindications, and precautions of pulmonary hygiene.
11. Examine the different lobes of each lung and link the appropriate postural drainage position to the area of congestion.
12. Direct the patient in diaphragmatic, chest expansion, cough techniques, and other breathing strategies.
13. Devise a patient education plan for self-treatment.
14. Properly don, doff, and dispose of personal protective equipment when working with patients on pulmonary hygiene.
15. Discuss the functions of the lymphatic system.
16. Differentiate the stages of lymphedema classification.
17. Discriminate the stages of complete decongestive therapy.
18. Demonstrate accurate measurement of limb girth of both upper and lower extremities.
19. Demonstrate competence in proper pressure for manual lymphatic drainage.
20. Discuss precautions and contraindications of compression bandaging.
21. Differentiate between normal and abnormal response to therapeutic interventions.
22. Accurately document therapeutic intervention and patient response.

New Resources for Course

Course Textbooks/Resources

    Textbooks
        Fairchild, Sheryl. *Principles & Techniques of Patient Care*, ed. Elsevier, 2022
    Manuals
    Periodicals
    Software

Equipment/Facilities

    Level III classroom
    Other: Hi-lo mat tables, residual limb mannequins, tilt table

Reviewer	Action	Date
Faculty Preparer:		
Ashley Bernstein	*Faculty Preparer*	*Jan 03, 2023*
Department Chair/Area Director:		
Kristina Sprague	*Recommend Approval*	*Feb 08, 2023*
Dean:		
Shari Lambert	*Recommend Approval*	*Feb 13, 2023*
Curriculum Committee Chair:		
Randy Van Wagnen	*Recommend Approval*	*Mar 16, 2023*
Assessment Committee Chair:		
Shawn Deron	*Recommend Approval*	*Mar 20, 2023*
Vice President for Instruction:		
Victor Vega	*Approve*	*Mar 29, 2023*

MASTER SYLLABUS

Course Discipline Code & No: PTA160   **Title:** Therapeutic Procedures II   **Effective Term** Winter 08

Division Code: ___HAT___   **Department Code:** ___ALHD___   **Org #:** ___15800___

Don't publish: ☐College Catalog   ☐Time Schedule   ☐Web Page

Reason for Submission. Check all that apply.
☒New course approval
☐Three-year syllabus review/Assessment report
☐Course change

☐Reactivation of inactive course
☐Inactivation (Submit this page only.)

Change information: Note all changes that are being made. Form applies only to changes noted.

☐Consultation with all departments affected by this course is required.
☐Course discipline code & number (was _____)*
  *Must submit inactivation form for previous course.
☐Course title (was _____)
☐Course description
☐Course objectives (minor changes)
☐Credit hours (credits were: _____)

☐Total Contact Hours (total contact hours were: _____)
☐Distribution of contact hours (contact hours were:
  lecture: _____ lab _____ clinical _____ other _____)
☐Pre-requisite, co-requisite, or enrollment restrictions
☐Change in Grading Method
☐Outcomes/Assessment
☐Objectives/Evaluation
☐Other _____

Rationale for course or course change. Attach course assessment report for existing courses that are being changed.

PTA 160 is a fundamental component of the Physical Therapist Assistant Program.

Approvals Department and divisional signatures indicate that all departments affected by the course have been consulted.

Department Review by Chairperson   ☒ New resources needed   ☒ All relevant departments consulted

Print: Patricia Reynolds Hill   Signature _Patricia Reynolds Hill_   Date: 11/27/06
  Faculty/Preparer

Print: Connie Foster   Signature _Connie Foster_   Date: 12/7/06
  Department Chair

Division Review by Dean
☐ Request for conditional approval

Recommendation ☒Yes ☐No   _W. Lee_   12/13/06
  Dean's/Administrator's Signature   Date

Curriculum Committee Review
Recommendation _____
☐ Tabled   ☒Yes ☐No   _Curriculum Committee Chair's Signature_   1/18/07
  Curriculum Committee Chair's Signature   Date

Vice President for Instruction Approval   _Vice President's Signature_   1/19/07
  Vice President's Signature   Date

Approval ☒ Yes ☐ No ☐ Conditional

Do not write in shaded area.
Log File 2/13/06 Sj   Ecopy ☐   Banner 1/06   C&A Database 1/06   C&A Log File 1/06   Basic skills ☐ Contact fee ☐   200701

Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

MASTER SYLLABUS

*Complete ALL sections which apply to the course, even if changes are not being made.

Course:	Course title:
PTA160	Therapeutic Procedures II

Credit hours: 2	Contact hours per semester:	Are lectures, labs, or clinicals offered as separate sections?	Grading options:

Credit hours: 2

If variable credit, give range:

_____ to _____ credits

Contact hours per semester:

	Student	Instructor
Lecture:	15	15
Lab:	30	30
Clinical:	___	___
Practicum:	___	___
Other:	___	___
Totals:	45	45

Are lectures, labs, or clinicals offered as separate sections?

☒ Yes - lectures, labs, or clinicals are offered in separate sections

☐ No - lectures, labs, or clinicals are offered in the same section

Grading options:

☐ P/NP (limited to clinical & practica)

☐ S/U (for courses numbered below 100)

☒ Letter grades

Prerequisites. Select one:

☒ College-level Reading & Writing   ☐ Reduced Reading/Writing Scores
(Add information at Level I prerequisite)

☐ No Basic Skills Prerequisite
(College-level Reading and Writing is not required.)

In addition to Basic Skills in Reading/Writing:

Level I (enforced in Banner)

	Course	Grade	Test	Min. Score	Concurrent Enrollment Can be taken together)	Co requisites Must be enrolled in this class a also during the same semester)
	PTA 150	C			☐	
☐ and ☐ or	___	___	___	___	☐	___
☐ and ☐ or	___	___	___	___	☐	___
☐ and ☐ or	___	___	___	___	☐	___

Level II (enforced by instructor on first day of class)

	Course	Grade	Test	Min. Score
☐ and ☐ or	___	___	___	___
☐ and ☐ or	___	___	___	___

Enrollment restrictions (In addition to prerequisites, if applicable.)

☐ and ☐ or Consent required   ☐ and ☐ or Admission to program required
Program: _____

☐ and ☐ or Other (please specify):
_____

Please send syllabus for transfer evaluation to:
Conditionally approved courses are not sent for evaluation.
Insert course number and title you wish the course to transfer as.

☐ E.M.U. as _____

☐ U of M as _____

☐ _____ as _____

☐ _____ as _____

☐ _____ as _____

☐ _____ as _____

MASTER SYLLABUS

Course	Course title
PTA 160	Therapeutic Procedures II

Course description	This course provides the physical therapist assistant student with patient care and patient management skills for safe and appropriate use with patients. Lecture, demonstrations, lab practice and patient simulations will be used to develop decision-making and problem-solving skills with an emphasis on safety. Topics include wound management and muscle performance but are not limited to, gait training with assistive devices, accessibility, pulmonary hygiene, and orthotics and prosthetics.
State the purpose and content of the course. Please limit to 500 characters.	

Course outcomes	Outcomes	Assessment
List skills and knowledge students will have after taking the course.	(applicable in all sections)	Methods for determining course effectiveness
	1. Identify and demonstrate competnce in implementing functional training with assistive, orthotic, and prosthetic devices.	Lab practical final examination(see attached sample scoring)
Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	2. Demonstrate competence in wound management procedures and interventions to improve pulmonary hygiene.	Lab practical final examination(see attached sample scoring)
	3. Demonstrate competence in the measurement of muscle performance.	Lab practical final examination (see attached sample scoring)

Course Objectives	Objectives	Evaluation
Indicate the objectives that support the course outcomes given above.	(applicable in all sections)	Methods for determining level of student performance of objectives
Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	O1. Identify and demonstrate competence in implementing functional training with assistive, orthotic, and prosthetic device. a.Define and recognize indications, contraindications and precautions in the use of an assistive device, orthosis and/or prosthesis. b.Identify basic components of assistive device, ortohsis or prosthesis. c.Adjust and instruct patient in correct use of assistive, orthotic or prosthetic device with appropriate gait pattern. e. Recognize normal and abnormal response to therapeutice interventions. f. Accurately document therapeutic intervention and patient response.	Students will be evaluated using a lab practical scoring guide and a written examination reviewing objectives a-f
	O2.Demonstrate competence in wound management procedures and interventions to improve pulmonary hygiene. a.Demonstrate appropritate data collection and documentation skills for wound management and integumentary integrity (Hair growth, skin color, sensation, skin temperature, wound size) b.Apply and remove selective dressings. c.Identify precautions, contraindications when applying and removing dressings d.Postural drainage. e.Chest percussion, vibration, shaking, and coughing f.Breathing strategies g.Recognize and describe normal and abnormal	Students will be evaluated using a lab practical scoring guide and a written examination reviewing objectives a-h

	cardiopulmonary responses (including cyanosis, dyspnea, level of alertness, angina) to therapeutic interventions. h.Accurately collect and report data (sputum, normal and abnormal responses, breathing patterns, chest wall mobility) dressings	
	O3.Demonstrate competence in the measurement of muscle performance (strength, power, endurance). a. Measure functional muscle strength and endurance. b. Perform manual muscle test. c. Measure muscle strength by hand-held dynamometer. D.Accurately collect and report data obtained in muscle strength measurement.	Students will be evaluated using a lab practical scoring guide and a written examination reviewing objectives a-d

List all new resources needed for course, including library materials.

Instructional supplies Cardiopulmonary Essentials (ISBN-13-978-1-55642-668-1); Integumentary Essentials (ISBN 13-978-1-55642-670-4) Musculoskeletal Essentials (ISBN 13-978-1-55642-667-4); Neuromuscular Essentials (ISBN 13-978-1-55642-669-8) Orthopedic Taping, Wrapping, Bracing & Padding, ISBN 13—978-0-8036-1212-9, Hand held dynamometers stump bandaging simulator(lower torso) , sample orthotics

Student Materials:

List examples of types	Patient Care Skills by M. Duesterhaus Minor (same text as PTA 150)	Estimated costs
Texts Supplemental reading Supplies Uniforms Equipment Tools Software	Orthotics and Prosthetics by Shurr)	$ 70.00

Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

Check level <u>only</u> if the specified equipment is needed for <u>all</u> sections of a course.

☐ Level I classroom
Permanent screen & overhead projector

☐ Level II classroom
Level I equipment plus TV/VCR

☒ Level III classroom
Level II equipment plus data projector, computer, faculty workstation

☐ Off-Campus Sites
☐ Testing Center
☐ Computer workstations/lab
☐ ITV
☐ TV/VCR
☐ Data projector/computer
☐ Other _____

Assessment plan:

Learning outcomes to be assessed (list from Page 3)	Assessment tool	When assessment will take place	Course section(s)/other population	Number students to be assessed
1. Identify and demonstrate competence in implementing functional training with an assistive, orthotic, and prosthetic device.	Lab practical final examination(see attached sample scoring)	e nd of semester (Winter 2008)	all	1/3 of each section no less than 4/section
2.Demonstrate competence in wound management and in performing interventions to improve pulmonary hygiene.	Lab practical final examination(see attached sample scoring)	end of semester (Winter 2008)	all	1/3 of each section no less than 4/section
3..Demonstrate competence in the measurement of muscle perfomance.	Lab practical final examination(see attached sample scoring)	end of semester (Winter 2008)	all	1/3 of each section, no less than 4/section

Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric/scoring guide.
   lab practical examination scoresheets will be selected from each section. See attached rubric sample

2. Indicate the standard of success to be used for this assessment.
   80% of samples responses will receive full credit or selected responses 80% os students will sucessfully pass the final lab practical

3. Indicate who will score and analyze the data (data must be blind-scored).
   The program faculty or designee will blind score and analyze the data

4. Explain the process for using assessment data to improve the course.
   In order to progress to the clinical education component of the program students must have met the criteria for successful completion of competencies. Failure to pass lab practical reveals need for program/instructional revision. Assessment data will provide the department/program with feedback regarding strengths and weaknesses of the course for implementation of course revision.