

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Introduction to Physical Therapy

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number	_____	Course Credit	_____	Course Outline	_____
Course Title	_____	Lecture Hr.	_____	Expected Student Outcomes	_____
Course Designator	_____	Laboratory Hr.	_____	General Education Outcomes	<u>X</u>
Course Description	_____	Clinical/Intern. Hr.	_____	Career and Technical Outcomes	<u>X</u>
Prerequisites	_____	Human Diversity Designator	_____		

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 151
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Introduction to Physical Therapy

CR.HR. 2.0 LECT HR. 2.0 LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Introduction to the education and roles of the physical therapist and physical therapist assistant as members of the health care team. Overview of physical therapy practice, terms and current issues. Effective interaction with others related to the implementation of the physical therapy plan of care.

PREREQUISITES

None

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Distinguish between the education and roles of the physical therapist and physical therapist assistant in current physical therapy practice.
2. Discuss ethical principles, laws and regulations that govern the practice of physical therapy.
3. Describe current physical therapy practice: issues, common diagnoses seen and related interventions.
4. Relate the roles of other members of the health care team and the physical therapist assistant's effective interaction as a member of the health care team.
5. Explain the psychosocial influences associated with the patient role, including cultural and socioeconomic influences.
6. Describe the establishment of proper rapport between the patient and clinician using effective verbal and non-verbal communication.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

- | | Outcomes | (ESO) |
|--|-----------------|--------------|
| 1. Communication | | |
| A. Listening and Speaking Skills | | |
| 2. Identify and explain the elements of the communication process (speaker, message, channel, listener, feedback, interference, situation) and apply these elements in different speaking contexts | | (6) |
| 7. Awareness of Social, Political, and Behavioral Environments | | |
| E. Describe and compare social, cultural, and historical settings and processes from a global perspective. | | (5) |

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively. (6)
2. Demonstrates professional behaviors consistent with the physical therapy profession (2)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examination and quizzes (1,2,3,4,5,6)
2. Cultural awareness paper (5)
3. Architectural barriers assignment (5)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Introduction to Physical Therapy

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Physical therapy
 - A. History
 - B. The physical therapist and physical therapist assistant
 - 1. Education
 - 2. Roles
 - 3. Generic abilities
 - 4. Core Values
 - 5. Supervision of the physical therapist assistant
 - C. Activities and employment
 - D. American Physical Therapy Association
 - 1. Organizational structure
 - 2. Function
 - 3. APTA representation
 - 4. Benefits of membership
 - E. Ethics, laws, regulations and policies
 - F. Current issues
- II. Physical therapy practice: diagnoses and related interventions
 - A. Common terms
 - B. Musculoskeletal disorders
 - C. Neurological disorders
 - D. Cardiopulmonary disorders
 - E. Integument
 - F. Physical therapy for children and the older adult
- III. Physical therapy as a part of the health care team
 - A. Role of health care team members
 - B. Interdisciplinary team meetings
 - C. In-services
- IV. Psychosocial issues of the patient and patient/clinician interaction
 - A. Challenges associated with the patient role
 - B. Cultural and socioeconomic influences
 - C. Rapport, verbal communication and patient education
 - D. Non-verbal communication
 - E. Americans with Disabilities Act and architectural barriers
 - F. Death and dying

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Physical Therapy Fundamentals I

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 152
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Physical Therapy Fundamentals I

CR.HR. 4.0 LECT HR. 2.5 LAB HR. 3.0 CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Basic patient care skills utilized by the physical therapist assistant in carrying out the plan of care established by the physical therapist. Theory and application of basic treatment modalities used in physical therapy, including indications and contraindications. Field trips

PREREQUISITES

Formal Acceptance into Program

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Explain and employ basic safety considerations relevant to the practice of a physical therapist assistant
2. Describe the scientific basis for all treatments covered in class including indications and contraindications (those listed in outline)
3. Explain and demonstrate appropriate and safe patient care skills after reviewing the physical therapist's plan of care (according to performance checklist) including: consultation with the physical therapist, verbal and non-verbal communication, positioning, draping, standard precautions, bed mobility, body mechanics, transfers, medical equipment handling, passive range of motion, data collection procedures to monitor patient response to treatment: observation, cognition, vital signs, skin condition, sensation, extremity girth and volume, modifies treatment within the plan of care to meet needs of patient status, and time management
4. Explain and demonstrate wound care interventions relevant to the scope of practice of the physical therapist assistant (according to performance checklist): correct application of personal protective equipment, standard precautions, clean vs. sterile technique, removal and application of bandages and dressings, data collection and debridement.
5. Correctly apply selected modalities according to a performance checklist after reviewing the therapist's plan of care (those identified in syllabus)
6. Demonstrate proper application of massage to increase soft tissue extensibility, reduce swelling and decrease pain and muscle spasm (according to performance checklist)

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(3)
B. Reading Skills	
5. Draw appropriate conclusions	(3)
6. Make valid generalizations and apply information	(3)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(3)
5. Natural and Physical Sciences	
B. Evaluate scientific evidence and argument.	(2)
D. Describe and apply current theoretical explanations of the nature, organization and evolution of living systems.	(1,2,4)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (3)
3. Competently implements the physical therapy plan of care. (1-6)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations and quizzes (1, 2, 3, 4)
2. Competency checks (3,5,6)
3. Practical examinations (3,4)
4. Oral presentation (2)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Physical Therapy Fundamentals I

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Safety

- A. Safety considerations
 - 1. Fire safety and fire safety competency quiz
 - 2. Hazardous materials and MSDS assignment
- B. Standard precautions and standard precautions competency quiz
 - 1. Infection control and hand washing, PPE competency checkout
 - 2. Sterile technique
 - 3. Isolation
- C. Body mechanics and body mechanics assignment
- D. Medical equipment management and medical equipment management quiz
- E. Monitoring a patient's response to treatment
 - 1. Observation and posture
 - 2. Cognition
 - 3. Interview and pain ratings
 - 4. Vital signs
 - 5. Skin
 - 6. Sensation
 - 7. Balance (overview)
 - 8. Girth, volume, and length

II. Basic patient care techniques

- A. Implementation of the plan of care
 - 1. Medical diagnosis
 - 2. Physical therapy diagnosis and plan of care
 - 3. Contraindications and precautions
 - 4. Implementation by the physical therapist assistant
- B. Treatment preparation
- C. Communication
- D. Positioning
- E. Draping
- F. Bed Mobility: dependent and assisted
 - 1. Scooting
 - 2. Rolling
 - 3. Supine to sit to supine
 - 4. Techniques for bariatric patients
- G. Transfers
 - 1. Mechanical Lift
 - 2. Bed to cart

3. Two man lift
4. Squat pivot
5. Standing pivot
6. Sliding board
7. Toilet transfers
8. Tub transfers
9. Car transfers
10. Techniques for bariatric patients

H. Passive Range of Motion

III. Wound Care

A. Guidelines for scope of practice for the physical therapist assistant

B. Prevention

C. Dressing Removal

D. Data collection techniques

E. Debridement

F. Modalities used in wound care

1. Whirlpool
2. Pulsed lavage
3. Electrical stimulation
4. Ultrasound
5. Vacuum assisted closure
6. Infrared

G. Dressings, lotions, skin protectants

H. Bandaging

I. Wound Care observation and assignment

IV. The rationale and effectiveness of physical therapy treatments

A. Peer-reviewed professional literature in physical therapy

B. Common statistical terms

C. Interpret a research article for clinical implications

V. Modalities

A. Physiological effects, rules for application, indications and contraindication for modalities listed below:

B. Cryotherapy

1. Vapocoolant
2. Cold pack
3. Ice massage
4. Contrast bath

C. Superficial Heat

1. Hot moist packs
2. Fluidotherapy
3. Hydrotherapy
4. Paraffin

D. Deep heat

1. Ultrasound
2. Diathermy

E. Other

1. Ultraviolet
2. Intermittent venous compression

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Kinesiology

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 153
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Kinesiology

CR.HR. 4.0 LECT HR. 2.0 LAB HR. 4.0 CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Discussion of anatomy and function of the musculoskeletal system. Analysis of various activities. Application of data collection techniques to monitor effectiveness of physical therapy interventions as outlined in the plan of care established by the supervising physical therapist.

PREREQUISITES

BIOL 109 and PTHA 152 and PTHA 160 each with a minimum grade of "C"

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Describe the anatomy of each joint and motions available.
2. Describe and/or locate the origin, insertion, function, and innervation of selected musculature of the face, neck, trunk and extremities.
3. Define, explain, and apply kinesiological principles to the body.
4. Analyze various activities to determine prime movers and joint positions.
5. Recognize normal and abnormal body alignment and movement.
6. Explain and demonstrate competence in monitoring a patient's status towards goals outlined in the physical therapy plan of care (graded according to performance checklist)including: appropriate consultation with physical therapist, patient interview and administration of standardized questionnaires, objective measurements to determine progress towards goals (observation, palpation, length and girth measurements, gross manual muscle testing, goniometry, flexibility testing, and functional testing), safe and appropriate patient care techniques, effective communication, modification of intervention in response to findings, and written documentation.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(6)
B. Reading Skills	
5. Draw appropriate conclusions	(6)
6. Make valid generalizations and apply information	(6)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	
5. Natural and Physical Sciences	(3,4,6)
D. Describe and apply current theoretical explanations of the nature, organization and evolution of living systems	(1,2,3,4,5)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (6)
3. Competently implements the physical therapy plan of care (1,2,3,4,5,6)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations and quizzes (1,3,4,5,6)
2. Laboratory identification examinations (1,2)
3. Practical examinations (6)
4. Collaborative presentation on research topic (4,5,6)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Kinesiology

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Kinesiology: basic principles and terminology
- II. Arthrology
 - A. Joint structure and function
 - B. Joint mobility
 - 1. End feels
 - 2. Data collection: goniometry, inclinometers and tape measures
- III. Myology
 - A. Terminology
 - B. Muscle function and related principles
 - 1. Terminology
 - 2. Muscle contraction
 - a. isometrics and stability
 - b. isotonics
 - i. concentric vs. eccentric
 - ii. regular vs. reverse muscle pull
 - iii. active insufficiency
 - 3. Muscle length
 - 4. Manual muscle testing and dynamometry
- IV. Introduction to biomechanics
- V. Ankle
 - A. Anatomy and function
 - B. Data collection to monitor patient progress
- VI. Knee
 - A. Anatomy and function
 - B. Data collection to monitor patient progress
- VII. Hip
 - A. Anatomy and function
 - B. Data collection to monitor patient progress
- VIII. Spine
 - A. Anatomy and function
 - B. Data collection to monitor patient progress
- IX. Shoulder
 - A. Anatomy and function
 - B. Data collection to monitor patient progress
- X. Elbow, wrist and hand
 - A. Anatomy and function
 - B. Data collection to monitor patient progress.
- XI. Collaborative research presentations

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Applied Neurology

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 154
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Applied Neurology

CR.HR 2.0 LECT HR. 2.0 LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Foundations of neuroscience for practice as a rehabilitation professional. Anatomy and function of the nervous system. Correlation of clinical problems with pathology of the nervous system. Cross-listed with OTHA 154.

PREREQUISITES

Admission to OTHA or PTHA programs, BIOL 109 or BIOL 100 and BIOL 210

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Demonstrate terminology commonly used in neurorehabilitation.
2. Correlate the signs and symptoms with specific lesions of nervous system, including distinguishing between upper and motor neuron dysfunction.
3. Describe neurological tests used to evaluate the nervous system.
4. Distinguish between the functions of the central nervous system and peripheral nervous system.
5. Explain the influence of the basal ganglia and cerebellum on motor function.
6. List treatments utilized for common neurological problems.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
5. Natural and Physical Sciences D. Describe and apply current theoretical explanations of the nature, organization, and evolution of living systems	(1,2,3,4,5,6)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

3. Competently implements the physical therapy plan of care (1-6)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

- Written examination and quizzes (1-6)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Applied Neurology

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Introduction to Nervous Systems
 - A. Neurons
 1. Nerve cell components
 2. Transmission of nervous impulses
 - a) Cell depolarization/repolarization
 - b) Role of myelin and Multiple sclerosis
 - B. Central nervous system
 1. Components
 2. Autonomic nervous system
 - C. Peripheral nervous system and components
- II. Anatomy of the Central Nervous System
 - A. Lobes of the brain
 1. Frontal lobe
 - a) Motor areas
 - b) Broca's area
 - i Expressive aphasia
 - ii Agraphia
 2. Parietal lobe
 - a) Sensory areas
 - b) Testing
 - i proprioception/kinesthesia
 - ii stereognosis
 3. Temporal lobe
 - a) Wernicke's area
 - b) Clinical presentations
 - i Receptive aphasia
 - ii Alexia
 4. Occipital lobe
 - a) Visual areas
 - b) Visual field cuts
 - B. Basal ganglia
 1. Anatomy
 2. Associated nuclei
 - a) Subthalamic nuclei
 - b) Substantia nigra
 - c) Role of dopamine in Parkinson's disease
 3. Dysfunction of basal ganglia
 - a) Hyperkinesia

- i Choreas
- ii Athetosis
- b) Hypokinesia
 - i Rigidity
 - (a) Cogwheel
 - (b) Clasped knife
 - (c) Lead pipe

C. Cerebral hemispheres

1. Functions of right vs. left hemisphere
2. Characteristics of right dominant vs. left dominant people
3. Symptoms commonly seen in right CVA vs. left CVA

D. Brainstem

1. Diencephalon and thalamic syndrome
2. Pons
3. Medulla and decussation of pyramids
4. Reticular formation
 - a) Reticular activation system
 - b) Clinical application
 - i Levels of consciousness
 - ii Glasgow coma scale

E. Cerebellum

1. Anatomy
2. Dysfunction of the cerebellum
 - a) Lateral vs. midline damage
 - b) Romberg's sign

F. Circulation of the brain/CNS

1. Meninges and meningitis
2. Cerebrospinal fluid
 - a) Production
 - b) Absorption
 - c) Assessment of lumbar puncture
3. Cerebral arteries
 - a) Circle of Willis
 - b) Occlusions/clinical deficits
 - i Thrombus
 - ii Embolus
 - iii Aneurysm
 - iv CVA vs. TIA
 - v Wallenberg's syndrome

G. Spinal cord

1. Gross anatomy
2. Cross section anatomy and spinal nerves

III. Spinal Reflexes

A. Motor neurons

1. Types
2. Location

B. Muscle receptors and alpha, gamma and beta

C. Muscle spindle

1. Components

2. Role in reflex activity

D. Spinal reflexes

1. Assessment of

a) Reflex arc

b) Types

i Monosynaptic stretch reflex (DTR)

ii Flexor reflex different

(a) Crossed extension

(b) Flexor withdrawal

iii Inverse myotatic reflex

iv Golgi tendon organ

IV. Motor Tracts

A. Pyramidal tracts

1. Corticospinal

2. Corticobulbar

B. Extrapyramidal tracts

1. Reticulospinal

2. Vestibulospinal

V. Sensory Tracts

A. Spinothalamic

B. Medial lemniscus and brown sequard syndrome

C. Trigeminal lemniscus

D. Spinocerebellar

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Rehabilitation

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 155
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Rehabilitation

CR.HR. 4.0 LECT HR. 3.0 LAB HR. 2.0 CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Introduction to the underlying theory, principles, and application of interventions involved in physical rehabilitation. Field trips as required.

PREREQUISITES

PTHA 162 Clinical Experience I

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Explain the rationale for treatment interventions of amputee, traumatic brain injury, spinal cord injury, burns and cerebrovascular accident clients, including scope of physical therapist assistant practice in these interventions.
2. Explain and correctly perform and/or instruct the patient and family in activities of daily living utilizing wheelchairs, assistive and/or orthotic devices as necessary while employing safe and appropriate patient care techniques under the specified plan of care (according to performance checklist).
3. Determine progress towards goals as outlined in the plan of care, recommend modifications within scope of practice and recognize when patient response would require re-evaluation by the physical therapist.
4. Recognize environmental barriers associated with gait with assistive devices and W/C mobility and provide suggestions for environmental modification.
5. Make recommendations that assist in discharge planning for the conditions covered on a written case study.
6. Document pertinent information regarding "client" progress in a SOAP note format and/or standardized functional scoring system.
7. Correctly identify parts of a wheelchair, optional components that are commonly used in wheelchair prescription and common measurements taken to prescribe a wheelchair.
8. Demonstrate according to performance checklist, proper therapeutic manual techniques utilizing PNF diagonals to improve motor function in the client with neurological disorders.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(2)
C. Writing Skills	
6. Exhibit control of surface features of standard English, grammar, punctuation, and spelling	(6)
7. Use writing for inquiry, learning, thinking and communicating	(6)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(3,4,5)
5. Natural and Physical Sciences	
B. Evaluate scientific evidence and argument	(1)
D. Describe and apply current theoretical explanations of the nature, organization and evolution of living systems	(1)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (2)
3. Competently implements the physical therapy plan of care (1-8)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations and quizzes (1,2,3,4,5,6,7)
2. Assignments (5,6)
3. Practicals or competency checks (2,8)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Rehabilitation

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Elements of gait
 - A. Biomechanics of normal gait
 - 1. Gait cycle
 - 2. Joint action during gait
 - 3. Muscle activity during gait
 - 4. Assessment of normal gait
 - B. Pathological gait patterns
 - 1. Gross gait patterns
 - 2. Specific gait patterns due to muscle weakness
 - C. Corrective gait training
 - 1. Preambulation training
 - 2. Ambulation training
 - (a) Selection, instruction and assessment of gait with assistive devices on level surfaces
 - (b) Selection, instruction and assessment of gait with assistive devices on stairs
 - 3. Advanced gait activities
- II. Rehabilitation utilizing prosthetics/orthotics
 - A. Amputations
 - 1. Etiology of amputation
 - 2. Surgical techniques
 - 3. Complications
 - B. Preoperative rehabilitation of the amputee
 - C. Postoperative rehabilitation of the amputee
 - 1. Exercise protocols
 - 2. Residual limb compression
 - 3. Residual limb hygiene
 - 4. Assessment of residual limb/readiness for prosthesis
 - D. Prosthetics
 - 1. Prosthetic components
 - 2. Prosthetic selection, instruction and fit assessment
 - 3. Common prosthetic gait abnormalities
 - E. Orthotics
 - 1. Lower extremity orthotics
 - 2. Cervical orthotics
 - 3. Thoracic-lumbar-sacral orthotics (TLSO)
- III. Rehabilitation of neurological conditions/burns
 - A. Wheelchairs
 - 1. Types, measurement and assessment of fit

2. Wheelchair cushions
 3. Third party reimbursement
 4. Wheelchair mobility
 - B. Traumatic brain injury
 1. Etiology
 2. Clinical presentation
 - (a) Glasgow coma scale
 - (b) Rancho levels of cognitive function
 3. Prognosis
 4. Intervention strategies
 - C. Spinal cord injury
 1. Etiology
 2. Clinical presentation
 - (a) Critical levels of function
 3. Prognosis
 4. Intervention strategies
 - D. Cerebrovascular accident
 1. Etiology
 2. Clinical presentation
 3. Prognosis
 4. Intervention strategies
 - (a) Neurodevelopmental treatment
 - (b) Brunnstrom
 - (c) Rood
 - (d) Integrated approach
 - E. Burns
 1. Etiology
 2. Clinical presentation
 3. Prognosis
 4. Intervention strategies
 - (a) Splints
 - (b) Exercise
 - (c) Functional activities
 - (d) Compression
- IV. Proprioceptive neuromuscular facilitation
- A. PNF theory
 1. UE/LE diagonals
 2. Developmental progression
 3. Stages of motor control
 - B. Indications for PNF
 - C. PNF techniques
 1. Assist to position
 2. Rhythmic initiation
 3. Rhythmic stabilization
 4. Slow reversal
 5. Slow reversal hold

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Therapeutic Exercise

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 158
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Therapeutic Exercise

CR.HR. 4.0 LECT HR. 2.0 LAB HR. 4.0 CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Introduction to the theory and principles of application of therapeutic exercise including patient instruction, manual techniques and equipment commonly used by the physical therapist assistant in carrying out the plan of care as established by the supervising physical therapist. Field trips as required.

PREREQUISITES

PTHA 162 Clinical Experience I

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Explain and apply principles of therapeutic exercise: proper application, indications and contraindications, progression, methods of monitoring and modification to meet designated goals.
2. Apply principles of application of exercise to all areas of the body and musculature after integrating knowledge of kinesiology and pathology.
3. Safely implement exercise programs to achieve goals identified in the physical therapy plan of care within the scope of practice of the physical therapist assistant (graded according to performance checklist) including: appropriate consultation with physical therapist, treatment preparation, basic patient care skills, competently and efficiently applying therapeutic exercise techniques to achieve goals in plan of care, providing patient education, modifying treatment appropriately in response to patient monitoring, and written documentation.
4. Recognize appropriate therapeutic exercise strategies for common orthopedic and medical diagnoses and rationale for treatment.
5. Apply postural drainage and other pulmonary techniques.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally(volume, rate, articulation, variety) and non-verbally(posture, eye contact, use of face and hands)	(3)
B. Reading Skills	
5. Draw appropriate conclusions	
6. Make valid generalizations and apply information	(3)
2. Critical Thinking	(3)
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	
5. Natural and Physical Sciences	(1,2,3)
D. Describe and apply current theoretical explanations of the nature, organization and evolution of living systems	(1,2,4)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (3)
3. Competently implements the physical therapy plan of care (1,2,3,4,5)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations and quizzes (1,2,4)
2. Assignments (1,2,4)
3. Competency checks and practical examinations (3,5)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Therapeutic Exercise

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. General guidelines for exercise programs in the physical therapy plan of care
- II. Techniques that maintain or improve joint range of motion and muscle flexibility
 - A. Passive range of motion
 - B. Passive mobilization introduction
 - C. Stretching
 - D. Overview of muscle energy and mobilization with movement
- III. Exercise to improve motor function
 - A. Isometrics
 - B. Active assistive range of motion and facilitation techniques
 - C. Active Exercise
 1. Bed level exercise
 2. Wheelchair level
 3. Balance
 - (a) Standardized functional testing
 - (b) Static and dynamic balance measures
 - (c) Exercise for static and dynamic balance
 4. Functional exercise
 - D. Resistive Exercise
 - E. Exercise to increase speed, coordination, agility and power
- IV. Aerobic Exercise
- V. Aquatic Exercise
- VI. Relaxation exercise
- VII. Exercise programs associated with common diagnoses: common problems, exercises, precautions and contraindications
 - A. Generalized conditions
 1. Osteoporosis
 2. Fractures
 3. Arthritis
 - B. Ankle
 1. Fractures
 2. Sprains
 - C. Knee
 1. Patellofemoral dysfunction
 2. Meniscal repair and removal
 3. Conservative and post-op ligament
 4. Total knee replacement
 - D. Hip
 1. Open reduction internal fixation

- 2. Total hip replacement
- E. Spine
 - 1. Postural dysfunctions
 - 2. Acute and chronic spinal disorders
- F. Shoulder
 - 1. Thoracic outlet
 - 2. Adhesive capsulitis
 - 3. Fractures
 - 4. Glenohumeral instability
 - 5. Rotator cuff tendonitis/impingement and tears
 - 6. Total shoulder replacement
- G. Elbow
 - 1. Fractures
 - 2. Lateral epicondylitis
- H. Wrist and hand
 - 1. Reflex sympathetic dystrophy syndrome
 - 2. Fractures
 - 3. Carpal tunnel
 - 4. Tenosynovitis
 - 5. Other
- I. Miscellaneous
 - 1. Pulmonary disorders
 - 2. Specific neurologic disorders-Parkinsons, Multiple Sclerosis
 - 3. Women's health
 - 4. Cancer
 - 5. Blood values and exercise

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Orthopedic Pathology

College of Origin: BR BTC LV MW PV Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number	_____	Course Credit	_____	Course Outline	_____
Course Title	_____	Lecture Hr.	_____	Expected Student Outcomes	_____
Course Designator	_____	Laboratory Hr.	_____	General Education Outcomes	<u>X</u>
Course Description	_____	Clinical/Intern. Hr.	_____	Career and Technical Outcomes	<u>X</u>
Prerequisites	_____	Human Diversity Designator	_____		

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 159
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Orthopedic Pathology

CR.HR. 2.0 LECT HR. 2.0 LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Orthopedic pathologies commonly seen in physical therapy practice: diagnostic tests, signs and symptoms, physiologic factors and common interventions associated with the physical therapy plan of care

PREREQUISITES

BIOL 109 Anatomy and Physiology
PTHA 152 Physical Therapy Fundamentals I
PTHA 160 Medical Diseases

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. List and describe physiological factors, and signs and symptoms of common orthopedic conditions associated with the practice of physical therapy.
2. Define medical terminology associated with the dysfunctions discussed.
3. Describe the relationship between the anatomy and function of muscles and joints and variances resulting in dysfunction.
4. Explain common treatment interventions and expected outcomes of the physical therapy plan of care with discussed diseases.
5. Explain tests associated with the diagnosis of discussed diseases.
6. Describes the role of the physical therapist assistant in carrying out the plan of care under the direction of the supervising physical therapist.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
2. Critical Thinking	
B. Define, analyze and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(1,2,3,4,5,6)
5. Natural and Physical Science	
D. Describe and apply current theoretical explanations of the nature, organization, and evolution of living systems	(1,3,4,5)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

3. Competently implements the physical therapy plan of care (1,2,3,4,5,6)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

- Written quizzes and examinations (1,2,3,4,5,6)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Orthopedic Pathology

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Basic terminology
 - A. Etiology, incidence, signs and symptoms, diagnosis, prognosis
 - B. Strains, myofascial pain, myositis, sprains, tendonitis, bursitis
 - C. Inflammation and treatment
- II. Generalized conditions
 - A. Muscular
 - 1. Muscular dystrophy
 - 2. Fibromyalgia
 - B. Bones
 - 1. Osteoporosis
 - 2. Fractures
 - C. Joints
 - 1. Osteoarthritis
 - 2. Rheumatoid arthritis
 - 3. Gout
 - 4. Ankylosing spondylitis
 - 5. Polymyalgia rheumatica
 - 6. Systemic lupus erythmatosus
- III. Specific joint conditions
 - A. Ankle and foot
 - 1. Structural
 - (a) Club foot
 - (b) Pronation
 - (c) Supination
 - (d) Pes planus
 - (e) Pes cavus
 - (f) Hallux valgus
 - (g) Bunion
 - (h) Hallux rigidus
 - (i) Hammer toes
 - 2. Plantar facsciitis
 - 3. Achilles tendonitis
 - 4. Sprains
 - 5. Fractures
 - 6. Shin splints
 - 7. Anterior compartment syndrome
 - B. Knee
 - 1. structural
 - (a) Genu Valgum
 - (b) Genu Varum
 - (c) Genu recurvatum

- (d) Tibial torsion
- 2. Osgood Schlatters
- 3. Patellofemoral pain and patellar tracking dysfunction
- 4. Patellar tendonitis
- 5. Bursitis
- 6. Fractures
- 7. Ligament and cartilage injuries
- 8. Plica
- C. The hip, pelvis and sacrum
 - 1. Structural problems
 - (a) Coxa vaiga
 - (b) Coax vara
 - (c) Femoral retroversion
 - (d) Femoral anteversion
 - 2. Congenital hip dysplasia
 - 3. Fractures
 - 4. Dislocations
 - 5. Bursitis
 - 6. Coccydynia
- D. The spine
 - 1. Postural mal-alignments
 - (a) Increased lordosis
 - (b) Swayback
 - (c) Flat Back
 - (d) Kyphosis
 - (e) Forward head
 - (f) Scoliosis
 - 2. Disc pathology
 - 3. Sacro-iliac joint dysfunction
 - 4. Facet joint dysfunction
 - 5. Spondylolisthesis
 - 6. Spinal stenosis
 - 7. Whiplash and muscular strains
 - 8. torticollis
- E. The shoulder
 - 1. Thoracic outlet
 - 2. Reflex sympathetic dystrophy syndrome
 - 3. Adhesive capsulitis
 - 4. Glenohumeral instability
 - 5. Impingement syndrome, tendonitis and rotator cuff tears
 - 6. Acromioclavicular separations
 - 7. Fractures
- F. Elbow, wrist and hand
 - 1. Lateral epicondylitis
 - 2. Ulnar nerve entrapments
 - 3. Carpal tunnel
 - 4. Tendinitis and tenoynovitis
 - 5. Tendon ruptures
 - 6. Fractures
 - 7. Ganglion

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Medical Diseases

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 160
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Medical Diseases

CR.HR. 2.0 LECT HR. 2.0 LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Medical diseases commonly seen in physical therapy practice; diagnostic tests, signs and symptoms, physiologic factors, and common interventions associated with the physical therapy plan of care.

PREREQUISITES

Formal Acceptance into the Program.

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. List and describe physiological factors and signs and symptoms of common medical diseases associated with the practice of physical therapy.
2. Define medical terminology associated with the dysfunctions discussed.
3. Provide a basic explanation of medical tests and treatments associated with specified diagnoses.
4. List and explain common physical therapy treatment interventions and expected outcomes in the physical therapy plan of care.
5. Recognize the role of the physical therapist assistant in carrying out the plan of care under the direction of the supervising physical therapist.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

- | Outcomes | (ESO) |
|---|--------------|
| 2. Critical Thinking | |
| B. Define, analyze and evaluate information, materials and data. | |
| 4. Integrate information and see relevant relationships that broaden and deepen understanding. | (5) |
| 5. Natural and Physical Sciences | |
| D. Describe and apply current theoretical explanations of the nature, organization, and evolution of living systems | (1,3,4) |

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

3. Competently implements the physical therapy plan of care (1-5)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

- Written examinations , quizzes, and assignments(Objectives 1-5)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Medical Diseases

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Nervous system diseases
 - A. Congenital
 - 1. Cerebral palsy
 - 2. Hydrocephalus
 - 3. Epilepsy
 - 4. Spina bifida
 - 5. Down's syndrome
 - B. Acquired
 - 1. Cerebrovascular accidents
 - 2. Traumatic brain injuries
 - 3. Multiple sclerosis
 - 4. Encephalitis, meningitis
 - 5. Parkinsons, Huntington's chorea
 - 6. Amyotrophic lateral sclerosis
 - 7. Guillain barre syndrome
 - 8. Poliomyelitis
 - 9. Bells palsy
 - 10. Myasthenia gravis
 - 11. Shingles
 - 12. Spinal cord injuries
 - 13. Peripheral nerve injuries
- II. Infectious diseases
 - A. Common nosocomial infections
 - B. Antibiotic resistance bacteria
 - C. Hepatitis
 - D. HIV
- III. Diabetes Mellitus
- IV. Pulmonary disorders
 - A. COPD
 - 1. Emphysema
 - 2. Chronic bronchitis
 - 3. Asthma
 - 4. Pneumonia
 - 5. Pulmonary emboli
 - 6. Tuberculosis
 - 7. ARDS

V. Wounds

- A. Causes
- B. Characteristics of various types of wounds and related terminology
- C. Wound Healing and methods of monitoring wound status
- D. Wound treatment

VI. Cancer

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Physical Therapy Fundamentals II

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 161
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Physical Therapy Fundamentals II

CR.HR. 4.0 LECT HR. 2.5 LAB HR. 3.0 CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Introduction to the theory and practical application of documentation, patient care skills, and selected modalities, including indications and contraindications.

PREREQUISITES

BIOL 109 Anatomy and Physiology
PTHA 152 Physical Therapy Fundamentals I
PTHA 160 Medical Diseases

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Compare and contrast the scientific basis for all treatments covered in class, including indications, contraindications and scope of PTA practice, including but not limited to traction, biofeedback and electrotherapy.
2. Correctly and safely instruct and apply all treatments covered in class, demonstrating competence in administering those treatments that are subject to competency check.
3. Monitor a patient's response to the treatments covered in class to adjust treatment within the plan of care and accurately document patient progress.
4. Recognize when patient response to treatment would require re-evaluation to the physical therapist.
5. Describe cultural differences among classmates and relate to how differences can impact effective communication in the clinic.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(2)
C. Writing Skills(3)	
6. Exhibit control of surface features of standard English, grammar, punctuation, and spelling	(3)
7. Use writing for inquiry, learning, thinking and communicating	(3)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(4)
5. Natural and Physical Sciences	
B. Evaluate scientific evidence and argument	(1)
D. Describe and apply current theoretical explanations of the nature, organization and evolution of living systems	(1)
7. Awareness of Social, Political, and Behavioral Environments	
B. Explain social institutions, structures and processes across a range of historical periods and cultures	(5)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (2, 5)
2. Demonstrates professional behaviors consistent with the physical therapy profession (5)
3. Competently implements the physical therapy plan of care (1,2,3,4)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written Examinations and quizzes (1,3,4,5,6)
2. Assignments (3,5,6,7,8)
3. Competency checks or practical examinations (2,3,4)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Physical Therapy Fundamentals II

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Implementation of the Physical Therapy Plan of Care
 - A. Medical chart review
 - B. Pharmacology and utilization of Physicians' Desk Reference
 - C. Cultural diversity and ethnic autobiography
 - D. Patient interviewing skills
 - E. Written documentation
- II. EMG Biofeedback
- III. Spinal Traction
 - A. Types of spinal traction
 - B. Indications/contraindications
 - C. Application of mechanical cervical traction (competency check)
 1. Head harness
 - (a) Halters
 - (b) Saunder's unit
 2. Treatment parameter settings
 - D. Application of mechanical lumbar traction (competency check)
 1. Supine versus prone position
 2. Thoracic and lumbar harnesses
 3. Treatment parameter settings
- IV. Electrotherapy
 - A. Principles of electricity
 1. Definitions
 2. Ohm's Law
 3. Strength duration curve
 4. Electrodes
 - (a) Types
 - (b) Placement techniques - unipolar vs. bipolar
 - (c) Current density
 5. Indications/contraindications for electrotherapy
 - B. Transcutaneous electrical nerve stimulation
 1. Pain theories
 2. Types of pain/behaviors associated with chronic pain
 3. Pain measurement
 4. Application of conventional TENS (competency check)
 5. Application of low frequency TENS (competency check) and trigger/acupuncture points
 - C. Neuromuscular electric stimulation
 1. Innervated vs. denervated muscle

2. Application of NMS (competency check) and motor points
- D. Iontophoresis
 1. Common drug used
 2. Application of iontophoresis
- E. High volt pulsed current
 1. Indications appropriate for unit
 2. Electrode placement techniques
 - (a) Monopolar
 - (b) Bipolar
 3. Application of HVPC (competency check)
- F. Interferential unit
 1. Indications appropriate for unit
 - (a) Interferential current
 - i Beat frequency
 - ii Vector scan
 - iii Electrode placement
 - (b) Russian stimulation
 2. Application of interferential unit (competency check)

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Clinical Experience I

College of Origin: BR ____ BTC ____ LV ____ MW ____ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number	_____	Course Credit	_____	Course Outline	_____
Course Title	_____	Lecture Hr.	_____	Expected Student Outcomes	_____
Course Designator	_____	Laboratory Hr.	_____	General Education Outcomes	<u>X</u>
Course Description	_____	Clinical/Intern. Hr.	_____	Career and Technical Outcomes	<u>X</u>
Prerequisites	_____	Human Diversity Designator	_____		

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 162
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Clinical Experience I

CR.HR. 2.0 LECT HR. _____ LAB HR. _____ CLIN/INTERN HR. 5.0 CLOCK HR. _____

CATALOG DESCRIPTION

Supervised clinical experience in the practical application of techniques and procedures covered in all previous PTHA courses. Assisting physical therapists in treatment of patients in a variety of clinical settings.

PREREQUISITES

PTHA 153 Kinesiology
PTHA 154 Applied Neurology
PTHA 159 Orthopedic Pathology
PTHA 161 Physical Therapy Fundamentals II
EMTP 102 Basic Emergency Patient Care

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Demonstrate competency in the practical application of modalities such as superficial and deep heat, cryotherapy, whirlpool, infrared, intermittent venous compression, electrical stimulation, traction, and biofeedback.
2. Demonstrate competency in the practical application of patient care skills such as positioning, draping, bed mobility, transfers, passive range of motion, wound care, and massage.
3. Demonstrate competency in data collection techniques within the physical therapist's plan of care such as: goniometry, manual muscle testing, girth measurements, sensation, pain, posture, vital signs, skin integrity and wounds.
4. Assist, as directed, in the preparation, administration and clean up of patient treatment consistent with the role of the physical therapist assistant in carrying out the plan of care of the supervising physical therapist.
5. Demonstrate proper safety in the clinic with patient, self, staff and equipment.
6. Demonstrate proper written, verbal communication skills and non-verbal skills.
7. Identify and properly use pertinent subjective and objective patient information through patient interview and medical chart review.
8. Demonstrate proper inter-professional and patient-therapist rapport.
9. Demonstrate professional and ethical conduct in the clinical setting.
10. Evaluate his/her strengths and weaknesses and relate this information to the clinical instructor and assume responsibility for own professional growth and development.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(6)
B. Reading Skills	
5. Draw appropriate conclusions	(4,7)
6. Make valid generalizations and apply information	
C. Writing Skills	
6. Exhibit control of surface features of standard English, grammar, punctuation, and spelling	(6)
7. Use writing for inquiry, learning, thinking and communicating	(6)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(4)
3. Life Long Learning	
C. Attributes of an Awareness of the Convergence of Knowledge	(10)
7. Awareness of Social, Political, and Behavioral Environments	
B. Explain social institutions, structures and processes across a range of historical periods and cultures	(8)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical Education program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (6,7, 8)
2. Demonstrates professional behaviors consistent with the physical therapy profession. (9)
3. Competently implements the physical therapy plan of care (1-5, 7)
4. Demonstrates the ability to perform administrative duties consistent with the role of a physical therapist assistant. (4)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Evaluation of student performance instrument (1,2,3,4,5,6,7,8,9,10)
2. Mid-term clinical reflection (10)
3. Medical chart review (7)
4. SOAP notes (6)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Clinical Experience I

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Written, verbal and non-verbal communication
- II. Interpersonal relationships
- III. Implementation of program
- IV. Professional conduct
- V. Data collection and monitoring patient status
- VI. Safety practices
- VII. Patient care skills
 - A. Positioning and draping
 - B. Bed mobility and transfers
 - C. Passive range of motion
 - D. Massage
 - E. Wound care
- VIII. Modalities

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Pediatrics and Gerontology

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 164
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Pediatrics and Gerontology

CR.HR. 2.0 LECT HR. 2.0 LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Specialized information related to the treatment of pediatric and older adult populations.

PREREQUISITES

PTHA 162 Clinical Experience I

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Describe the impact of legislation on pediatric practice.
2. Distinguish between professionally centered treatment and family centered treatment.
3. Categorize postures/movements in the correct order according to normal developmental sequence.
4. Distinguish between primitive reflex, attitudinal reflex and righting reaction.
5. Describe how reflexes are tested and what responses are normal.
6. Name the standardized tools used in physical therapy to assess a child's motor development and functional status of the geriatric client.
7. Identify common pediatric disorders and summarize each disorder's etiology and clinical presentation.
8. Outline appropriate treatment interventions for pediatric disorders based on a physical therapy plan of care.
9. Discuss psychosocial issues associated with aging and appropriate interactions with the physical therapist assistant.
10. Describe pharmacological implications for the geriatric client.
11. Describe the normal physical changes associated with aging and implications for physical therapy treatment.
12. Explain the ethical/legal issues associated with treatment of the elderly.
13. Describe community resources available to the geriatric client.
14. Explain how physical therapy interacts with other health care professionals in the care of the geriatric client.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
2. Critical Thinking	
B. Define, analyze and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(8)
5. Natural and Physical Sciences	
D. Describe and apply current theoretical explanations of the nature, organization, and evolution of living systems	(3,4,5,7,10,11)
7. Awareness of Social, Political, and Behavioral Environments	
B. Explain social institutions, structures, and processes across a range of historical periods and cultures.	(12,13)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

2. Demonstrates professional behaviors consistent with the physical therapy profession. (1,9, 12-14)
3. Competently implements the physical therapy plan of care (2-8, 10, 11)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Examinations and quizzes (1,2,3,4,5,6,7,8,9,10,11,12,13,14)
2. Haight's Life Review (9)
3. Assignments (8,13)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Pediatrics and Gerontology

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Legal, social and practice issues related to pediatric physical therapy
 - A. Settings for pediatric practice
 - B. Legislation affecting pediatric practice
 - 1. EHCA
 - 2. IDEA
 - 3. ADA
 - C. Treatment models for pediatric therapy
 - D. Documentation in an educational setting
 - 1. IFSP
 - 2. IEP
 - 3. 504 Plan
- II. Motor development
 - A. Normal development sequence
 - B. Reflexes
 - 1. primitive
 - 2. attitudinal
 - 3. righting responses
 - C. Assessment tools
 - 1. Hawaii Development Chart
 - 2. Denver Developmental Screening Test
 - 3. Bruininks-Oseretsky Test of Motor Performance
- III. Common pediatric diseases/disorders
 - A. Cerebral Palsy
 - 1. Medical treatment of spasticity in cerebral
 - 2. Physical therapy intervention guidelines based on muscle tone
 - B. Spina Bifida
 - C. Down Syndrome
 - D. Muscular Dystrophy
 - E. Autistic Disorder
 - F. Sensory Integration Disorder
 - G. Arthrogyriposis
- IV. Treatment of the pediatric client
 - A. Promotion of intellectual development
 - B. Promotion of motor development
 - 1. Incorporation of play into treatment
 - 2. Correct movement patterns versus compensation techniques
 - C. Student treatment presentations

- V. Demographics of aging
- VI. Psychosocial aspects of aging and relevance to the physical therapist assistant
- VII. Physical changes associated with aging and relevance to the physical therapist assistant.
- VIII. Pharmacological considerations in the elderly
- IX. Standardized assessment tools
- X. Ethical/legal issues
- XI. Resources for the elderly
 - A. Health care professional roles
 - B. Community resources

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Clinical Experience II

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 170
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Clinical Experience II

CR.HR 2.0 LECT HR. _____ LAB HR. _____ CLIN/INTERN HR. 5.0 CLOCK HR. _____

CATALOG DESCRIPTION

Supervised clinical experience in the practical application of techniques and procedures covered in all previous PTHA courses. Assisting physical therapists in treatment of patients in a variety of clinical settings.

PREREQUISITES

PTHA 162 Clinical Experience I
Concurrent enrollment in:
PTHA 155 Rehabilitation
PTHA 158 Therapeutic Exercise
PTHA164 Pediatrics and Gerontology
PTHA 171 Clinical Seminar

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Demonstrate competency in the practical application of modalities such as superficial and deep heat, cryotherapy, whirlpool, infrared, intermittent venous compression, electrical stimulation, traction, biofeedback within the physical therapist's plan of care.
2. Demonstrate competency in the practical application of patient care skills such as positioning, draping, bed mobility, transfers, passive range of motion, wound care, massage, prosthetic and orthotic application, , gait, and therapeutic exercise.
3. Demonstrate competency in data collection techniques within the physical therapist's plan of care such as: goniometry, manual muscle testing, girth measurements, sensation, pain, posture, vital signs, skin integrity, wounds, gait and balance.
4. Assist, as directed, in the preparation, administration and clean up of patient treatment consistent with the role of the physical therapist assistant in carrying out the plan of care of the supervising physical therapist.
5. Demonstrate proper safety in the clinic with patient, self, staff and equipment.
6. Demonstrate proper written, verbal communication skills and non-verbal skills.
7. Identify and properly use pertinent subjective and objective patient information through patient interview and medical chart review.
8. Demonstrate proper inter-professional and patient-therapist rapport.
9. Demonstrate professional and ethical conduct in the clinical setting.
10. Evaluate his/her strengths and weaknesses and relate this information to the clinical instructor assuming as well as responsibility for own professional growth and development.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(6)
B. Reading Skills	
5. Draw appropriate conclusions	(7)
6. Make valid generalizations and apply information	(7)
C. Writing Skills	
6. Exhibit control of surface features of standard English, grammar, punctuation, and spelling	(6)
7. Use writing for inquiry, learning, thinking and communicating	(6)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(4)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (6,7, 8)
2. Demonstrates professional behaviors consistent with the physical therapy profession. (9)
3. Competently implements the physical therapy plan of care (1-5, 7)
4. Demonstrates the ability to perform administrative duties consistent with the role of a physical therapist assistant. (4)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Evaluation of student performance instrument (1,2,3,4,5,6,7,8,9,10)
2. Journal (10)
3. Medical chart review assignments (7)
4. SOAP notes (6)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Clinical Experience II

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Written, verbal and non-verbal communication
- II. Interpersonal relationships
- III. Implementation of program
- IV. Professional conduct
- V. Data collection and monitoring patient status
- VI. Safety practices
- VII. Patient care skills
 - A. Positioning and draping
 - B. Bed mobility and transfers
 - C. Passive range of motion
 - D. Massage
 - E. Wound care
 - F. Gait
 - G. Therapeutic exercise
 - H. Prosthetic and orthotic application
- VIII. Modalities

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Clinical Seminar

College of Origin: BR ___ BTC ___ LV ___ MW ___ PV X Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number _____	Course Credit _____	Course Outline _____
Course Title _____	Lecture Hr. _____	Expected Student Outcomes _____
Course Designator _____	Laboratory Hr. _____	General Education Outcomes <u>X</u>
Course Description _____	Clinical/Intern. Hr. _____	Career and Technical Outcomes <u>X</u>
Prerequisites _____	Human Diversity Designator _____	

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 171
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Clinical Seminar

CR.HR. 2.0 LECT HR. 2.0 LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

This course contains information on current professional issues and values, administrative policies and procedures, and related clinical topics associated with the practice of physical therapy. Service learning projects required.

PREREQUISITES

PTHA 162 Clinical Experience I

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Discuss current professional issues and administrative policies and procedures associated with the practice of physical therapy.
2. Explain various specialty topics as they relate to the role of the physical therapist assistant.
3. Recognize the importance of the physical therapy core value of social responsibility through service learning

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
3. Life-long learning	
B. Personal and Professional Development	
4. Pursue structured learning opportunities, certification, and/or degrees	(3)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

2. Demonstrates professional behaviors consistent with the physical therapy profession.(1,3)
4. Demonstrates the ability to perform administrative duties consistent with the role of a physical therapist assistant.(1,2)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations (1,2)
2. Oral presentation (3)
3. Service learning assignments (3)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Clinical Seminar

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Clinical and Professional Issues
 - A. Discharge Planning
 - B. Clinical Instructor – PTA Student Communication
 - C. American Physical Therapy Association
 - 1. House of Delegates
 - 2. PTA Caucus
 - 3. Ethical/Practice Guidelines for the PTA
 - D. Legal Considerations of PTA Practice
 - E. Physical Therapy Services Organizations
 - 1. Role of PT Manager
 - 2. Budget/Fiscal Considerations
 - 3. Staffing
 - 4. Chain of Command
 - F. Third Party Reimbursement for Services
 - 1. HMO
 - 2. POS
 - 3. Fee for Service
 - 4. Medicaid & Medicare
 - (a) Funding/Regulation
 - (b) Eligibility
 - (c) Reimbursement in different physical therapy settings
 - i DRG
 - ii RUG
 - iii CPT codes
 - iv ICD-9 codes
 - v Cap for PT outpatient services
 - G. Continuous Quality Improvement Plans
 - H. Employment Issues in the Physical Therapy Field
 - 1. Missouri PTA Licensure Application
 - 2. Resume Writing
 - 3. Interviewing Skills
 - 4. Employee Performance Reviews
- II. Specialty Topics Related to Physical Therapy
 - A. Overview of Radiological Procedures
 - B. Introduction to ECG Interpretation
 - 1. Normal Cardiac Conduction
 - 2. Supraventricular Dysrhythmias

3. Atrial Dysrhythmias
 4. Ventricular Dysrhythmias
 5. Physical therapy treatment considerations in clients with dysrhythm
- C. Introduction to Soft Tissue Injury and Mobilization
1. Myofascial Release
 2. Strain – Counter Strain
 3. Trigger Point Release
 4. Feldenkrais
- D. Home Management, Integration into Community/Work Environments
1. Architectural Barriers
 2. Occupational Medicine
 - (a) Functional Job Analysis
 - (b) Functional Capacity Evaluations
 - (c) Pework Screens
 - (d) Ergonomic Considerations
- E. Intra-cultural Communication
- (a) Latino population in US
 - (b) Health trends in Latino Population
 - (c) Basic Spanish words for use in a PT clinical setting
- III. Social Responsibility
- A. Service Learning Assignment
 - B. Student Presentations

METROPOLITAN COMMUNITY COLLEGES
Course Change Form

Current Title: Clinical Experience III

College of Origin: BR BTC LV MW PV Discipline Physical Therapist Assistant

Prepared by: Gwen Robertson Date 11/01/09

CHANGE OF COURSE DATA

Course Number	_____	Course Credit	_____	Course Outline	_____
Course Title	_____	Lecture Hr.	_____	Expected Student Outcomes	_____
Course Designator	_____	Laboratory Hr.	_____	General Education Outcomes	<u>X</u>
Course Description	_____	Clinical/Intern. Hr.	_____	Career and Technical Outcomes	<u>X</u>
Prerequisites	_____	Human Diversity Designator	_____		

Rationale for Course Change:

Update General Education and Career and Technical Outcomes.

COMPLETE THE APPLICABLE CHANGE

Current Catalog No. & Title of Course: _____

Proposed Catalog No. & Title Change: _____

Current Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Proposed Credit Hr. _____ Lecture Hr. _____ Laboratory Hr. _____ Clinical/Intern. Hr. _____ Clock Hr. _____

Current Prerequisites:

Proposed Prerequisites:

Current Catalog Description:

Proposed Catalog Description:

Attach Course Information Form, Course Outline Form

DATE SUBMITTED 11/01/09
DATE DICC APPROVED _____

CATALOG NO. PTHA 172
DATE LAST REVIEWED 12/19/09

COURSE INFORMATION FORM

DISCIPLINE Physical Therapist Assistant
COURSE TITLE Clinical Experience III

CR.HR. _____ LECT HR. _____ LAB HR. _____ CLIN/INTERN HR. _____ CLOCK HR. _____

CATALOG DESCRIPTION

Practical application of principles learned in the prior didactic semester. Experience rotating internships in selected clinical sites under the supervision of a physical therapist.

PREREQUISITES

Completion of all required courses in the PTHA program

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Demonstrate safe application of therapeutic modalities
2. Demonstrate safe application and instruction of therapeutic exercise
3. Demonstrate patient care skills, such as positioning, bandaging, transfer training, wound management, ADL, gait training with or without the use of assistive devices, application of orthotics and prosthetic appliances, pulmonary hygiene and other interventions as appropriate for an entry level physical therapist assistant.
4. Effectively instruct patients, family members and staff in patient care techniques and exercise programs as indicated in the established plan of care to achieve the desired effect.
5. Demonstrate data collection such as goniometry, manual muscle testing, skin integrity, wound, sensation, pain, posture, gait, balance, architectural barriers, vital signs, motor milestones, and other tests and measures appropriate for the physical therapist assistant.
6. Adjust physical therapy interventions within the plan of care established by the physical therapist to meet the individual needs of the patient and reports changes in patient status to the physical therapist.
7. Demonstrate safety consciousness in the clinic with patients, self, staff and equipment.
8. Accurately document to support the delivery of physical therapy services.
9. Demonstrate professional, ethical, and legal conduct in the clinical setting.
10. Implement a self-directed plan for career development and lifelong learning.
11. Demonstrate communication congruent to situational needs.
12. Competently assist the physical therapist in discharge planning.
13. Demonstrate basic administrative skill in the areas of time organization, maintaining departmental records, following established lines of communication, fiscal management, maintaining the work area in a manner conducive to efficiency and safety, participating in the department in-service program, and demonstrating awareness of responsible participation in the department's quality assurance program.
14. Use physical therapy aides and other support personnel according to legal standards and ethical guidelines.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes	(ESO)
1. Communication	
A. Listening and Speaking Skills	
6. Demonstrate basic communication skills, both vocally (volume, rate, articulation, variety) and non-verbally (posture, eye contact, use of face and hands)	(2,4,11)
C. Writing Skills	
6. Exhibit control of surface features of standard English, grammar, punctuation, and spelling	(8)
7. Use writing for inquiry, learning, thinking and communicating	(8)
2. Critical Thinking	
B. Define, analyze, and evaluate information, materials and data	
4. Integrate information and see relevant relationships that broaden and deepen understanding	(6)
3. Life Long Learning	
C. Attributes of an Awareness of the Convergence of Knowledge (all)	
1. Seek multiple perspectives	(10)
2. Apply learned skills to real world interactions	(10)
3. Synthesize information to facilitate application	(10)
5. Perceive learning as an all-pervasive activity in all phases of life	(10)

PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the "Career and Technical Education template" to show the relationship between course and program outcomes to assessment measures.

1. Communicates effectively (2, 4, 11)
2. Demonstrates professional behavior consistent with the physical therapy profession. (9,10)
3. Competently implements the physical therapy plan of care (1-8, 11-12)
4. Demonstrates the ability to perform administrative duties consistent with the role of a physical therapist assistant. (13,14)

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Clinical Performance Instrument (1,2,3,4,5,6,7,8,9,10, 11,12,13,14)
2. In-service assignments (13)
3. Assignment (10)

COURSE OUTLINE FORM

DISCIPLINE Physical Therapist AssistantCOURSE TITLE: Clinical Experience III

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

- I. Written, verbal and non-verbal communication
- II. Interpersonal relationships
- III. Implementation of program
- IV. Professional conduct
- V. Data collection and monitoring patient status
- VI. Safety practices
- VII. Patient care skills
 - A. Positioning and draping
 - B. Bed mobility and transfers
 - C. Passive range of motion
 - D. Massage
 - E. Wound care
 - F. Therapeutic exercise
 - G. Gait with and without assistive devices
 - H. Orthotic and Prosthetic management
 - I. Wheelchair fit and instruction
 - J. Pulmonary hygiene
- VIII. Modalities
- IX. Administrative duties

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Physical Therapist Assistant

CTE or Occupational Program Outcome

1. Communicates effectively.

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Uses verbal and non-verbal communication effectively to develop rapport and provide and receive information	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty
Completes health care documentation consistent with health care standards.	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty

Results _____ **(date)**

Actions _____ **(date)**

Second-Cycle Results _____ **(date)**

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Physical Therapist Assistant

CTE or Occupational Program Outcome

2. Demonstrates professional behavior consistent with the physical therapy profession

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Demonstrates behavior consistent with core values of physical therapy	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty
Follows the APTA's Standards of Ethical Conduct for the Physical Therapist Assistant	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty
Explains laws related to physical therapy and practices legally	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty

Results _____ **(date)**

Actions _____ **(date)**

Second-Cycle Results _____ **(date)**

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Physical Therapist Assistant

CTE or Occupational Program Outcome

3. Competently implements the physical therapy plan of care

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Demonstrates an understanding of the physical therapy plan of care	PTHA 160, 154, PTHA159, 164 PTHA 152, 153, PTHA 161, 158, PTHA 155, 162, PTHA170, 172	Written exam with score of 75% or greater and practical exams with score of 80% or better and no critical safety errors, utilizing rubrics Clinical Performance Instrument with minimum scores Comprehensive Program Final with score of 80% or greater	Formal competency checks and exams Clinical instructors complete in collaboration with ACCE Summative Examination	During scheduled class times Clinical Rotations End of Program	Class instructors ACCE Program Coordinator	Program Faculty
Demonstrates competency in performing interventions within the role of the physical therapist assistant	PTHA 152,153, PTHA 161,162, PTHA 158,155, PTHA 170, 172	Above	Above	Above	Above	Program Faculty
Demonstrates competency in performing data collection consistent with the role of the physical therapist assistant.	PTHA 152, 153 PTHA 155, 158, PTHA162, 170 PTHA, 172	Above	Above	Above	Above	Program Faculty
Modifies interventions to meet the needs of the individual patient consistent with the role of the physical therapist assistant..	PTHA 152, 153, PTHA 161, 155, PTHA 158, 162, PTHA 170, 172	Above	Above	Above	Above	Program Faculty
Determines when consultation with the supervising physical therapist is appropriate.	PTHA 152, 153, PTHA161, 155, PTHA 158, 162, PTHA 170, 172	Above	Above	Above	Above	Program Faculty

Results _____ **(date)**

Actions _____ **(date)**

Second-Cycle Results _____ **(date)**

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Physical Therapist Assistant

CTE or Occupational Program Outcome

4. Demonstrates the ability to perform administrative duties consistent with the role of a physical therapist assistant.

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Interacts effectively with others to achieve organizational goals	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty
Assists with aspects of organizational evaluation, planning and operation	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty
Provides information accurately for billing and reimbursement purposes.	PTHA 162 PTHA 170 PTHA 172	Clinical Performance Instruments with minimum standards Comprehensive Program Final with score of 80% or greater	Clinical instructors complete in collaboration with ACCE Summative Examination	Clinical Rotations End of Program	ACCE Program Coordinator	Program Faculty

Results _____ **(date)**

Actions _____ **(date)**

Second-Cycle Results _____ **(date)**