



# Mesa College

## 2016-2017 Catalog

### Addenda/Errata

The following is replacing information listed on pages 280-282: Physical Therapist Assistant

## Physical Therapist Assistant

<u>Award Type</u>	<u>Units</u>
Associate of Science Degree: Physical Therapist Assistant	<del>33-5</del> <u>53-57*</u>

\* and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

### Description

The Physical Therapist Assistant Program prepares the student for employment as a physical therapist assistant. The physical therapist assistant, working under the supervision of a registered physical therapist, assists in the provision of physical therapy services, such as electrotherapy, hydrotherapy, thermotherapy, massage, therapeutic exercise and rehabilitation activities.

The program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association (1111 North Fairfax, Alexandria, VA., 1-800-999-APTA) and approved by the Physical Therapy Board of California. Graduates are eligible to take the examination for licensure as a physical therapist assistant.

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should call the Special Programs Admissions Clerk in the Admissions Office, 619-388-2684.

### Statement of Goals

At the completion of the program's curriculum, the job-ready graduate will be able to work safely and effectively under the supervision of a physical therapist.

### Career Options

Employment as physical therapist assistant after passing state-administered national examination.

### Mission Statement

The primary mission of the Physical Therapist Assistant Program at San Diego Mesa College is to provide excellence in the education and development of competent physical therapist assistants that provide high quality patient care through evidence based practice to diverse populations and become leaders within the health care community and profession.

### Program Learning Outcomes

~~Students who complete the Physical Therapist Assistant Program will be able to:~~

- ~~• Perform safe and effective interventions and data collection within the Physical Therapist Assistant (PTA) scope of practice.~~
- ~~• Select appropriate interventions within the physical therapist's plan of care.~~
- ~~• Be knowledgeable of the California physical therapy laws and regulations as they relate to the PTA.~~
- ~~• Demonstrate ethical and professional behaviors consistent with professional standards and practice.~~
- ~~• Communicate effectively, both verbally and in writing as appropriate for a PTA.~~
- Select and perform safe and effective interventions within the:
  - Physical Therapist Assistant (PTA) scope of practice.
  - Physical therapist's plan of care.



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- Demonstrate knowledge of California physical therapy laws and regulations.
- Demonstrate ethical and professional behaviors consistent with professional standards and practice.
- Communicate effectively, both verbally and in writing, as appropriate for a PTA.
- Participate in self-assessment and develop plans to improve knowledge, skills, and behavior as appropriate for a PTA.
- Incorporate an understanding of the implications of individual and cultural differences, and adapt behavior and delivery of care accordingly in all aspects of physical therapy services with respect to patients' values, preferences, and needs.

Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

#### Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete DCP, clinically based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP courses and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause of removal from the program.

#### Associate of Science Degree: Physical Therapist Assistant

Program Prerequisites:	Units
BIOL 160 Elements of Human Anatomy and Physiology or	
BIOL 230 Human Anatomy.....	4
<b>and</b>	
BIOL 235 Human Physiology.....	4
ENGL 101 Reading and Composition .....	3

MATH 96 Intermediate Algebra and Geometry .....	5
<b><u>COMS 135 Interpersonal Communication ....</u></b>	<b>3</b>

Courses Required for the Major:	Units
PHYR 50 Physical Therapy Introduction .....	2
PHYR 54 Introduction to Human Movement ....	3
PHYR 56 Physical Therapy Techniques I .....	2
PHYR 56L Physical Therapy Techniques I- Lab.....	2
PHYR 62 Introduction to Pathology .....	3
PHYR 63 Introduction to Therapeutic Exercise .....	2
PHYR 66 Physical Therapy Techniques II .....	2
PHYR 66L ..... Physical Therapy Techniques II- Lab .....	2
PHYR 77 Orthopedic Exercise and Rehabilitation .....	2
PHYR 77L Orthopedic Exercise and Rehabilitation Lab .....	2
PHYR 78 Topics in Neurology and Rehabilitation .....	1.5
PHYR 78L Topics in Neurology and Rehabilitation Lab .....	1
PHYR 81 Organization of Physical Therapy .....	2
PHYR 70 Directed Clinical Practice .....	2
PHYR 80 Directed Clinical Practice .....	3
<b><u>PHYR 210 Introduction to Physical Therapy .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 215 Documentation Skills .....</u></b>	<b><u>1</u></b>
<b><u>PHYR 220 Growth, Development, and Aging.....</u></b>	<b><u>3</u></b>
<b><u>PHYR 225 Acute Care Techniques .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 225L Acute Care Techniques Lab ....</u></b>	<b><u>2</u></b>
<b><u>PHYR 230 Introduction to Human Movement.....</u></b>	<b><u>3</u></b>
<b><u>PHYR 240 Introduction to Pathology .....</u></b>	<b><u>3</u></b>
<b><u>PHYR 250 Introduction to Therapeutic Exercise .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 260 Topics in Neurology and Rehabilitation .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 260L Topics in Neurology and Rehabilitation Lab .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 263 Patient Management.....</u></b>	<b><u>1</u></b>
<b><u>PHYR 264 Therapeutic Modalities.....</u></b>	<b><u>1.5</u></b>
<b><u>PHYR 264L Therapeutic Modalities Lab ..</u></b>	<b><u>1.5</u></b>
<b><u>PHYR 275 Orthopedic Exercise and Rehabilitation .....</u></b>	<b><u>3</u></b>
<b><u>PHYR 275L<sup>1</sup> Orthopedic Exercise and Rehabilitation-Lab .....</u></b>	<b><u>2</u></b>



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<b><u>PHYR 280<sup>1</sup> Organization of Physical Therapy .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 292<sup>1</sup> Directed Clinical Practice .....</u></b>	<b><u>2</u></b>
<b><u>PHYR 294 Directed Clinical Practice II .....</u></b>	<b><u>3</u></b>
<b><u>PHYR 297 Directed Clinical Practice III.....</u></b>	<b><u>3</u></b>

**Total Units = ~~33.5~~ 53-57**

**<sup>1</sup>PHYR 275L, 280, and 292 are effective Fall 2017.**

For graduation requirements see **Requirements for the Associate Degree** on page 98.

**Electives as needed to meet minimum of 60 units required for the degree.**



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**The following is added to information listed on page 347: Business (BUSE)**

### **120 Personal Financial Management**

**3 hours lecture, 3 units  
Grade Only**

*Advisory:* English **47A** or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

*Limitation on Enrollment:* This course is not open to students with previous credit for Consumer Studies 110.

This course is a study of the theories and techniques for managing personal income. Students will be equipped with the necessary financial literacy skills enabling them to manage their personal finances as well as making sound lifelong financial decisions. Students will examine their personal relationships with money, explore and develop understanding of psychological, social and physiological context that influence and impact financial decisions. Emphasis is placed on financial goal setting, culminating in the development of a personal financial plan as well as a personal career plan. Topics include practical methods for gaining maximum advantages from income through budgeting, income generation, efficient spending, and effective use of credit, savings, budgeting, insurance, real estate, investments and protection of assets. Investment portfolios and retirement and estate planning are also discussed. This course is designed for all students interested in personal finance. (FT) AA/AS; CSU.



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**The following is added to information listed on page 407: English (ENGL)**

### **101 Reading and Composition**

**3 hours lecture, 3 units**

**Letter Grade or Pass/No Pass Option**

*Prerequisite:* English for Speakers of Other Languages 45, English 47A or English 48 and English 49, each with a grade of “C” or better, or equivalent or Assessment Skill Levels R5 and W5 or English 37A, 37B or 64, each with a grade of “C” or better, or equivalent; **or**

**Corequisite: ENGL 31 enrollment through Learning Community, LCOM 101.**

This course is designed for transfer-level students or for those who want to develop competence in college level reading and composition. Students read, analyze, discuss and think critically using a variety of works and sources. Based on these activities, students write essays, fully documented research projects, and other types of texts for various purposes and audiences. This written work, which demonstrates effective, logical, and precise expression of ideas, totals at least 6,000 graded words. Designated sections of this course may be taught from a specific cultural perspective. (FT) AA/AS; CSU; UC; C-ID ENGL 100.



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### The following is replacing information listed on pages 517-519: Physical Therapist Assistant (PHYR)

#### 50 Physical Therapy Introduction

**2 hours lecture, 2 units  
Grade Only**

*Advisory:* English 47A or English 48 and English 49, each with a grade of “C” or better, or equivalent or Assessment Skill Levels R5 and W5.

*Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 110.

This course provides general information regarding the field of physical therapy (PT) to those persons who have been admitted into the program or who have an interest in the profession of PT. The course focuses on the history, development, goals and current issues of the profession and the American Physical Therapy Association (APTA). General legal and ethical principles as well as state laws relating to the delivery of PT services are examined. The relationship of PT to the health care delivery system in the United States, the settings utilized in the delivery of therapy, and an exploration of the roles and functions of the workers in the field and their part on the healthcare team are explored. Medical terminology specific to PT and the need of the health care worker to develop a therapeutic presence are also presented. This course fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) AA/AS.

#### 54 Introduction To Human Movement

**2 hours lecture, 3 hours lab, 3 units  
Grade Only**

*Advisory:* Biology 160 with a grade of “C” or better, or equivalent.

*Limitation on Enrollment:* Special Admission—must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 114.

This course introduces the student Physical Therapist Assistant to the relationship between physical laws and the biomechanical principles of joint motion as well as the concepts of normal posture and human locomotion contrasted with obvious posture and gait deviations. Application of kinesiological concepts to the body’s major joints in performing basic exercise applications with the client who has an orthopedic condition is also included in this course. (FT) AA/AS.

#### 56 Physical Therapy Techniques I

**2 hours lecture, 2 units  
Grade Only**

*Corequisite:* Physical Therapist Assistant 56L.

*Limitation on Enrollment:* Special Admission – must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 111 or 116.

This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice and with an emphasis on the outpatient setting. These duties include the principles of the application of basic physical agents including heat, cold and therapeutic massage; basics of gait training with assistive devices for general orthopedic problems; hydrotherapy and basic dressing changes to include universal precautions and infection control; treatment preparation; client positioning and clinic maintenance. The course also fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) AA/AS.



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#### 56L Physical Therapy Techniques I-Lab

6 hours lab, 2 units  
Grade Only

*Corequisite:* Physical Therapist Assistant 56.

*Limitation on Enrollment:* Special Admission – must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 116L.

This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice and with an emphasis on the outpatient setting. These duties include the techniques of the application of basic physical agents including cold, heat and therapeutic massage; basics of gait training with assistive devices for general orthopedic problems; hydrotherapy and basic dressing changes to include universal precautions and infection control; treatment preparation; client positioning and clinic maintenance. The course also fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) AA/AS.

#### 62 Introduction to Pathology

3 hours lecture, 3 units  
Grade Only

*Advisory:* English 48 and English 49, each with a grade of “C” or better, or equivalent or Assessment Skill Levels R5 and W5.

*Limitation on Enrollment:* Special Admission – must be admitted to program.

*Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 122.

This course focuses on the etiology and characteristics of diseases of the body’s systems as they relate to physical therapy and includes a consideration of the general principles of tissue injury, inflammation and healing. The course is designed for students enrolled in the Physical Therapist Assistant Program but is also appropriate for those interested in physical therapy or pathology with a musculoskeletal emphasis. (FT) AA/AS.

#### 63 Introduction to Therapeutic Exercise

1 hour lecture, 3 hours lab, 2 units  
Grade Only

*Prerequisite:* Physical Therapist Assistant 54 with a grade of “C” or better, or equivalent.

*Limitation on Enrollment:* Special Admission – must be admitted to program.

*Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 123.

This course provides physical therapist assistant (PTA) students with the basic principles of therapeutic exercise. These include range of motion, goniometry, manual muscle testing and proprioceptive neuromuscular facilitation. Basic lower extremity exercises are also introduced. (FT) AA/AS.

#### 70 Directed Clinical Practice

150 - hours other, 2 units  
Grade Only

*Corequisite:* Completion of or concurrent enrollment in Physical Therapist Assistant 77, 77L, 78, and 78L, each with a grade of “C” or better, or equivalent.

*Limitation on Enrollment:* Special Admission – must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 142A.

This course provides the third semester Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in a selected clinical facility affiliated with the college. The focus is on safe, legal, ethical and effective use of physical therapy interventions. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. It requires a high level of critical thinking related to implementing, modifying and progressing physical therapy rehabilitation programs. Students are placed in either an inpatient or an outpatient facility. Supervision of the student at the intermediate level is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the first of two Directed Clinical Practice courses in the PTA Program. (FT) AA/AS.



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#### 77L Orthopedic Exercise and Rehabilitation– Lab

**6 hours lab, 2 units  
Grade Only**

*Prerequisite:* Physical Therapist Assistant 63 with a grade of “C” or better, or equivalent.

*Corequisite:* Physical Therapist Assistant 77.

*Limitation on Enrollment:* Special Admission – must be admitted to program.

*Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 137L.

This course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of therapeutic exercise and screening assessment procedures, including physiological and therapeutic effects and indications and contraindications and the implementation and modification of physical therapy interventions. In addition, this course fosters the development of communication skills, interpersonal relationships and professionalism required in the health care field. (FT) AA/AS.

#### 78 Topics in Neurology and Rehabilitation

**1.5 hours lecture, 1.5 units  
Grade Only**

*Prerequisite:* Physical Therapist Assistant 66 and 66L, each with a grade of “C” or better, or equivalent.

*Corequisite:* Physical Therapist Assistant 78L.

*Limitation on Enrollment:* Special Admission – must be admitted to program. *Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 138.

This course provides physical therapist assistant (PTA) students with the principles of the functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects of treatment. (FT) AA/AS.

#### 78L Topics in Neurology and Rehabilitation – Lab

**3 hours lab, 1 unit  
Grade Only**

*Prerequisite:* Physical Therapist Assistant 66 and 66L, each with a grade of “C” or better, or equivalent.

*Corequisite:* Physical Therapist Assistant 78.

*Limitation on Enrollment:* Special Admission – must be admitted to program.

*Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 138L.

This course for physical therapist assistant (PTA) students deals with the clinical application of the functional activities and rehabilitation procedures relating to the management of therapy clients with neurological diagnoses. Other topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects. The course also focuses on the development of communication skills, interpersonal relationships and professionalism required for the health care field. It requires a high level of critical thinking related to implementing and modifying physical therapy interventions. (FT) AA/AS.

#### 81 Organization of Physical Therapy

**2 hours lecture, 2 units  
Grade Only**

*Advisory:* Physical Therapist Assistant 50 with a grade of “C” or better, or equivalent.

*Limitation on Enrollment:* Special Admission – must be admitted to program.

*Limitation on Enrollment:* This course is not open to students with previous credit for Physical Therapist Assistant 141.

This course provides physical therapist assistant (PTA) students with the fundamentals of organization in physical therapy (PT). Emphasis is placed on the legal and ethical aspects of physical therapy as described in state board and national association regulations and standards. Topics include insurance regulations; medications commonly used by those receiving PT; job hunting skills; productivity, management, supervision, and performance evaluations; professional liability insurance. Students will assess their strengths and limitations as a PTA and their reactions to illness and disability with a diverse patient population. (FT) AA/AS.



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#### 210 Introduction to Physical Therapy

32 - 36 hours lecture, 2 units  
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: This course is not open to students with previous credit for Physical Therapist Assistant 110 or Physical Therapist Assistant 50. This course provides general information regarding the field of physical therapy to those persons who have been admitted into the program or who have an interest in the profession of physical therapy. The course focuses on the history, development, goals and current issues of the profession and the American Physical Therapy Association (APTA). General legal and ethical principles, as well as state laws, relating to the delivery of physical therapy services are examined. The relationship of physical therapy to the health care delivery system in the United States, the settings utilized in the delivery of therapy, and an exploration of the roles and functions of the workers in the field and their part on the healthcare team are explored. This course fosters the development of communication skills, interpersonal relationships, collaboration, and professionalism required for the health care field. The need of the health care worker to develop a therapeutic presence which includes sensitivity to diversity and cultural competency are also presented. (FT) AA/AS; CSU.

#### 215 Documentation Skills

16 - 18 hours lecture, 1 unit  
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides an introduction to basic abbreviations, medical terminology for physical therapy, and review of patients' medical and treatment documentation. Students will learn the formats used in both paper and electronic medical record documentation. Emphasis will be placed on accurate and timely documentation that is consistent with institutional, legal, and billing requirements. (FT) AA/AS; CSU.

#### 220 Growth, Development, and Aging

48 - 54 hours lecture, 3 units  
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course will introduce physical therapist assistant (PTA) students to concepts and physical therapy principles applied to the development process from conception through aging. Topics will include normal and abnormal growth and development from conception, through adolescence, and adulthood. Emphasis will be placed on the developmental sequence, testing, and treatment principles in pediatrics, as well as aging changes that affect function in geriatric rehabilitation. Appropriate nutrition and wellness concepts across the lifespan will be considered. (FT) AA/AS; CSU.

#### 225 Acute Care Techniques

32 - 36 hours lecture, 2 units  
Grade Only

Corequisite: Physical Therapist Assistant 225L.

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) AA/AS; CSU.



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#### 225L Acute Care Techniques Lab

96 - 108 hours lab, 2 units  
Grade Only

Corequisite: Physical Therapist Assistant 225.  
Limitation on Enrollment: Special Admission - must be admitted to program.

This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties related to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) AA/AS; CSU.

#### 230 Introduction To Human Movement

32 - 36 hours lecture, 48 - 54 hours lab, 3 units  
Grade Only

Advisory: Biology 160 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 114 or Physical Therapist Assistant 54. This lecture and lab course introduces the student Physical Therapist Assistant to the relationship between physical laws and the biomechanical principles of joint motion. The concepts of normal posture and human locomotion are contrasted with obvious posture and gait deviations. An understanding of kinesiology is applied to major joints in the body utilizing basic exercise applications for patients/clients with common orthopedic and neurologic conditions. (FT) AA/AS; CSU.

#### 240 Introduction to Pathology

48 - 54 hours lecture, 3 units  
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 122 or Physical Therapist Assistant 62. This course focuses on the etiology and characteristics of diseases of the body's systems as they relate to physical therapy, and includes a consideration of the general principles of tissue injury, inflammation, and healing. The course is designed for students enrolled in the Physical Therapist Assistant Program with an emphasis on identification of red flags that may occur with various pathologies and impact treatment decisions. (FT) AA/AS; CSU.

#### 250 Introduction to Therapeutic Exercise

16 - 18 hours lecture, 48 - 54 hours lab, 2 units  
Grade Only

Prerequisite: Biology 160 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 123 or Physical Therapist Assistant 63. This lecture and lab course provides physical therapist assistant (PTA) students with the basic principles of therapeutic exercise and measurement techniques used in the field of physical therapy. Students will learn and practice the following skills: range of motion, goniometry, manual muscle testing, and proprioceptive neuromuscular facilitation. Basic upper and lower extremity exercises will be introduced. (FT) AA/AS; CSU.



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**260 Topics in Neurology and Rehabilitation**  
**32 - 36 hours lecture, 2 units**  
**Grade Only**

**Prerequisite:** Physical Therapist Assistant 225 and Physical Therapist Assistant 225L, each with a grade of "C" or better, or equivalent.

**Corequisite:** Physical Therapist Assistant 260L.

**Limitation on Enrollment:** Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 138 or Physical Therapist Assistant 78. This course provides physical therapist assistant (PTA) students with the principles of functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, other neurological conditions, cardiopulmonary conditions, amputations, lymphedema, and pediatric conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures including physiological and therapeutic effects of treatment. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) AA/AS; CSU.

**260L Topics in Neurology and Rehabilitation Lab**  
**96 - 108 hours lab, 2 units**  
**Grade Only**

**Prerequisite:** Physical Therapist Assistant 225 and Physical Therapist Assistant 225L, each with a grade of "C" or better, or equivalent.

**Corequisite:** Physical Therapist Assistant 260.

**Limitation on Enrollment:** Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 138L or Physical Therapist Assistant 78L. This course for physical therapist assistant (PTA) students deals with the clinical application of functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, other neurological conditions, cardiopulmonary conditions, amputations, lymphedema, and pediatric conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures including physiological and therapeutic effects of treatment. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) AA/AS; CSU.

**263 Patient Management**  
**48 - 54 hours lab, 1 unit**  
**Grade Only**

**Advisory:** Physical Therapist Assistant 240, Physical Therapist Assistant 250, and Physical Therapist Assistant 260, each with a grade of "C" or better, or equivalent.

**Limitation on Enrollment:** Special Admission - must be admitted to program.

This laboratory course provides physical therapist assistant (PTA) students with an opportunity to apply knowledge and skills from previous courses to actual patient scenarios. Students will review patient evaluations including plans of care and design appropriate beginning, intermediate, and advanced treatment plans. Emphasis will be placed on developing critical thinking and communication skills needed in a patient care environment. (FT) AA/AS; CSU.



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#### 264 Therapeutic Modalities

24 - 27 hours lecture, 1.5 units  
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This lecture course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness. The course also fosters development of patient communication and appropriate documentation of modality treatments. (FT) AA/AS; CSU.

#### 264L Therapeutic Modalities Lab

72 - 81 hours lab, 1.5 units  
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This lab course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness within the laboratory setting. The course also fosters development of patient communication and appropriate documentation of modality treatments. (FT) AA/AS; CSU.

#### 275 Orthopedic Exercise and Rehabilitation

48 - 54 hours lecture, 3 units  
Grade Only

Prerequisite: Physical Therapist Assistant 250 with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in Physical Therapist Assistant 275L with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 137 or Physical Therapist Assistant 77. This lecture course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the patient/client with orthopedic and related diagnoses. The focus is on safe, legal, ethical, and appropriate use of manual and therapeutic exercise interventions and screening assessment procedures within the physical therapist assistant scope of practice. The course fosters the development of critical thinking skills needed in the consideration of indications, precautions, contraindications, along with physiological and therapeutic effects of various techniques as applied to various orthopedic and related diagnoses. (FT) AA/AS; CSU.



# Mesa College

## 2016-2017 Catalog

### Addenda/Errata

#### 294 Directed Clinical Practice II

225 hours other, 3 units  
Grade Only

Prerequisite: Physical Therapist Assistant 292 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. Health and Safety. This course is not open to students with previous credit for Physical Therapist Assistant 80.

This course provides the intermediate level Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in one selected clinical facility affiliated with the college. The focus is on entry-level application in the safe, legal, ethical and effective use of physical therapy interventions. Emphasis is placed on intermediate level skills of professional communication and interpersonal relationships necessary for the healthcare field. Students are placed in either an inpatient or outpatient facility. Supervision of the student is at the intermediate level which means progressing to entry-level, and is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the second of three Directed Clinical Practice courses in the PTA program. (FT) AA/AS; CSU.

#### 297 Directed Clinical Practice III

225 hours other, 3 units  
Grade Only

Prerequisite: Physical Therapist Assistant 294 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 80.

This course provides the advanced level Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in one selected clinical facility affiliated with the college. Emphasis is placed on students applying professional communication, interpersonal skills, and the effective use of physical therapy interventions at an advanced level. Advanced students apply a higher level of critical thinking related to the implementation, modification and progression of physical therapy rehabilitation programs. Although under the supervision of a Physical Therapist, students are expected to apply their skills independently with minimal input from the clinical instructor. As with other directed clinical courses, students are placed in either an inpatient or outpatient facility. This course is the final of three Directed Clinical Practice courses in the PTA program. (FT) AA/AS; CSU.

*This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (44), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or (270). Detailed course descriptions are listed on page 304. Please refer to the class schedule and/or see the dean or department chair for availability.*