

**PTAP-160 PROCEDURES II**      3 CREDITS

**SYLLABUS**

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**CATALOG DESCRIPTION**

Clinical procedures related to patient care including massage, airway clearance techniques, and wound care. Application of modalities such as infrared, ultraviolet, and diathermy. Study of wheelchair training, gait training, cardiac rehabilitation, and architectural barriers.

Prerequisites: PTAP 110, PTAP 125, PTAP 130, PTAP 150

Semester Offered: Summer for On-Campus Program; Fall for Online Hybrid Program

***COMMON STUDENT LEARNING OUTCOMES***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

**BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

**CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

**CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

**EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

**INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

**INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

**COURSE LEARNING OUTCOMES**

*Upon successful completion of the course, the student will be able to...*

1. Apply the principles of massage.
2. Apply the principles of airway clearance techniques.

3. Apply the principles of wound care.
4. Apply the principles of diathermy.
5. Educate mock patients on the safe use of the appropriate type of wheelchair.
6. Educate mock patients on the safe use of the appropriate type of assistive device.
7. Identify architectural barriers affecting functional mobility.
8. Apply the principles of cardiac rehabilitation.
9. Explain outcome assessment related to course content.
10. Practice generic abilities related to course content.
11. Describe basic concepts related to the APTA Guide to Physical Therapist Practice.
12. Faculty can input outcomes in a wide-range of formats

## SPECIFIC LEARNING OBJECTIVES

*Upon successful completion of the course, the student will be able to...*

1. Apply the principles of massage.
  - 1a. Explain the indications, contraindications, precautions, and physiological response related to massage techniques such as effleurage, petrissage, and cross friction.
  - 1b. Demonstrate competency in the application of massage techniques to meet requirements outlined in the skill check and lab exam.
2. Apply the principles of airway clearance techniques.
  - 2a. Explain the indications, contraindications, precautions, and physiological response related to airway clearance techniques including tapotement and vibration.
  - 2b. Demonstrate competency in the application of airway clearance techniques to meet requirements outlined in the skill check and lab exam.
  - 2c. Explain postural drainage positions specific to each lobe of both lungs.
  - 2d. Explain breathing strategies such as maximum ventilation and expiration, breathing patterns during exercise, and purse lip breathing.
3. Apply the principles of wound care.
  - 3a. Demonstrate universal precautions and isolation categories.
  - 3b. Describe the stages of wound healing.
  - 3c. Identify factors that affect wound healing.
  - 3d. Describe wound characteristics such as location, size, shape, bleeding, drainage, odor, depth, tunneling, undermining, grid measurement, wound tracing, and photographic record.
  - 3e. Identify signs of infections.
  - 3f. Describe the stages of pressure ulcers.
  - 3g. Demonstrate competency in the application of appropriate wound care products for different types of wounds using aseptic techniques to meet requirements outlined in the skill check and lab exam.
4. Apply the principles of diathermy.
  - 4a. Explain the indications, contraindications, precautions, and physiological response related to diathermy.
  - 4b. Demonstrate competency in the application of diathermy to meet requirements outlined in the skill check and lab exam.
5. Educate mock patients on the safe use of the appropriate type of wheelchair.
  - 5a. Identify the parts and accessories of a wheelchair.
  - 5b. Recognize the types of wheelchairs.
  - 5c. Demonstrate the proper fitting of the wheelchair.
  - 5d. Identify pressure relief devices for a given location of wound.
  - 5e. Instruct mock patients in safe wheelchair mobility.
  - 5f. Reflect after using a wheelchair for functional community mobility.
6. Educate mock patients on the safe use of the appropriate type of assistive device.
  - 6a. Recognize the types of assistive devices such as canes, walkers, and crutches.

- 6b. Ensure the proper fitting of the assistive device.
- 6c. Instruct mock patients in the safe use of assistive devices by gait training using 3-point, 2-point, 4-point, swing-through, different weight bearing statuses, and uneven surfaces.
- 6d. Demonstrate competency in gait training to meet requirements outlined in the skill check and lab exam.
- 6e. Demonstrate competency in stair training with assistive devices to meet requirements outlined in the skill check and lab exam.
- 6f. Instruct mock patients in simulated toilet transfers with assistive devices.
- 6g. Describe the relationship of joint mechanics and physical principles to the application of assistive devices.
- 6h. Describe the postural alignment of mock patients during gait training.
- 7. Identify architectural barriers affecting functional mobility.
  - 7a. Interview mock patients to identify potential environmental barriers in the home per the plan of care.
  - 7b. Observe mock patients simulating safety in a home environment.
  - 7c. Collect current gait abilities and cognitive information from mock patients.
- 8. Apply the principles of cardiac rehabilitation.
  - 8a. Explain the indications, contraindications, precautions, and physiological response related to cardiac rehabilitation.
  - 8b. Explain the phases of cardiac rehabilitation and MET levels.
- 9. Explain outcome assessment related to course content.
  - 9a. Identify equipment and resources necessary for discharge.
  - 9b. Finalize a functional home exercise program including ADLs.
  - 9c. Provide input to the supervising physical therapist about outcomes.
- 10. Practice student progress using Professional Behaviors Student's Self-Assessment criteria related to course content.
  - 10a. *Commitment to Learning* – Demonstrate the ability to self-assess, self-correct, and self-direct. Identify needs and sources of learning. Seek new knowledge and understanding.
  - 10b. *Interpersonal Skills* – Demonstrate the ability to interact effectively with patients, families, colleagues, other health care professionals, and the community. Demonstrate the ability to effectively deal with cultural and ethnic diversity issues.
  - 10c. *Communication Skills* – Demonstrate the ability to communicate effectively (i.e., speaking, body language, reading, writing, and listening) for a varied audiences and purposes.
  - 10d. *Effective Use of Time* – Demonstrate the ability to obtain maximum benefit from a minimum investment of time and resources.
  - 10e. *Use of Constructive Feedback* – Demonstrate the ability to identify sources and seek out feedback and to effectively use and provide feedback for improving personal interaction.
  - 10f. *Problem-Solving* – Demonstrate the ability to recognize and define problems, analyze data, develop and implement solutions, and evaluate outcomes.
  - 10g. *Professionalism* – Demonstrate the ability to exhibit appropriate professional conduct and to represent the profession effectively.
  - 10h. *Responsibility* – Demonstrate the ability to fulfill commitments and to be accountable for actions and outcomes.
  - 10i. *Critical Thinking* – Demonstrate the ability to question logically; to identify, generate, and evaluate elements of a logical argument; to recognize and differentiate facts, illusions, assumptions, and hidden assumptions; and to distinguish the relevant from the irrelevant.
  - 10j. *Stress Management* – Demonstrate the ability to identify sources of stress and to develop effective coping behaviors.
  - 10k. Use a SOAP note format to document lab skills.
- 11. Describe basic concepts related to the APTA *Guide to Physical Therapist Practice*.
  - 11a. Integrate basic concepts presented in the APTA *Guide to Physical Therapist Practice* related to course content.
  - 11b. Identify the parameters of the scope of practice of the PTA related to course content.