

PTAP-210 Principles of Rehabilitation 5 cr.
Treatment strategies for patients with complex diagnoses such as developmental disorders, CVA, TBI, SCI, AKA/BKA, and UMN/LMN lesions. Study of the nervous system and techniques related to the theories of neurological development. Study of abnormal gait, types of wheelchairs, and types of supportive devices. Prerequisite: PTAP 140, PTAP 160. Semesters Offered: Fall for on-campus program; Spring for online program.

PTAP-240 Part-Time Clinical Externships 2 cr.
Two part-time clinical externships provide students with the opportunity to apply clinical skills acquired in the academic setting. These externships may be completed in any geographical area provided that a legal contract is established between the physical therapy facility and San Juan College. Prerequisites: PTAP 140, PTAP 160. Corequisite: PTAP 250. Semesters Offered: Fall for on-campus program; Summer for online program.

PTAP-250 Procedures III 4 cr.
Clinical procedures related to patient care including cervical and lumbar traction. Application of electrotherapy modalities such as IFC, Pre-modulation, TENS, Combo, NMES, Russian, Biphasic, Iontophoresis, HVES, and Biofeedback. Study of aquatic therapy at the Farmington Aquatic Center. Prerequisite: PTAP 140, PTAP 160. Corequisite: PTAP 240. Semesters Offered: Fall for on-campus program; Summer for online program.

PTAP-260 Seminar 2 cr.
Study of career related topics including obtaining licensure and developing a career plan. Other topics include identifying abuse, neglect, and harassment, maintaining quality assurance, recognizing organizational structure, and understanding finances related to physical therapy. Review outcome assessment and PTA MACS. Prerequisite: PTAP 140, PTAP 160. Semesters Offered: Fall for on-campus program; Spring for online program.

PTAP-280 Full-Time Clinical Externships 13 cr.
Three full-time clinical externships provide students with the opportunity to apply clinical skills acquired in the academic setting. Each externship provides five weeks of direct patient care. Students must complete one rotation in each of the following settings: acute care (hospital), neurological rehabilitation, and outpatient. These externships may be completed in any geographical area provided that a legal contract is established between the physical therapy facility and San Juan College. Prerequisite: PTAP 210, PTAP 240, PTAP 250, PTAP 260. Semesters Offered: Spring for on-campus program; Fall for online program.

PHYSICS

PHYS-111 Intro to Physics 4 cr.
This course is not a lab science course and does not fulfill the requirement for lab sciences in the Associate of Arts degree. A primarily conceptual approach to classical physics; mechanics, heat, sound, optics, electricity, and magnetism. Intended for non-science majors who have not had high school physics. Prerequisite: MATH 096 or higher within last three years, or Math ACCUPLACER Placement, and RDNG 095 or

higher, or Reading ACCUPLACER Placement. Semester offered: Fall, Spring, or on Demand.

PHYS-211 General Physics I (3+2P) 3 cr.
Non-calculus treatment of Newtonian mechanics, fluids, and sound. Satisfies requirements for most pre-medical and pre-dental programs and some science programs. Prerequisites: MATH 180 or high school trigonometry and MATH 185 or higher within last three years, RDNG 095 or higher or Reading ACCUPLACER placement, and ENGL 099 or higher or English ACCUPLACER placement. Semester offered: Fall and Spring. [NM Common Course Number PHYS 1114, Area III; Laboratory Science Core]

PHYS-211L Gen Physics Lab I 1 cr.
This course is the first in a two-semester laboratory sequence, which accompanies the algebra-based introductory physics sequence (211, 212). This course satisfies requirements for most pre-medical and pre-dental programs and some science programs. Co-requisite or Pre-requisite: PHYS-211 (Strongly recommended that this course is taken at the same time as PHYS-211). Semester Offered: Fall and Spring.

PHYS-212 General Physics II (3+2P) 3 cr.
A continuation of PHYS 211 in which electricity, magnetism, light, and modern physics are studied. Prerequisite: PHYS 211 with a grade of "C" or better. Semester offered: Fall (On Demand) and Spring. [NM Common Course Number PHYS 1124, Area III; Laboratory Science Core]

PHYS-212L Gen Physics Lab II 1 cr.
This course is the second in a two-semester laboratory sequence, which accompanies the algebra-based introductory physics sequence (211,212). This course satisfies requirements for most pre-medical and pre-dental programs and some science programs. Co-requisite or Pre-requisite: PHYS-212 (Strongly recommended that this course is taken at the same time as PHYS-212). Semester Offered: Fall (on demand) and Spring.

PHYS-215 Engineering Physics I (3+2P) 3 cr.
A calculus level treatment of classical mechanics and waves. Physics principles are emphasized and illustrated by examples and problem practice. Prerequisites: MATH 188 with a "C" or better, PHYS 111 with a "C" or better or high school physics. Semester offered: Spring. [NM Common Course Number PHYS 1214, Area III; Laboratory Science Core]

PHYS-215L Engineering Physics Lab I 1 cr.
This course is the first in a two-semester laboratory sequence, which accompanies the Calculus-based introductory physics sequence (215,216). Co-requisite or Pre-requisite: PHYS-215 (Strongly recommended that this course is taken at the same time as PHYS-215). Semester Offered: Spring.

PHYS-216 Engineering Physics II 3 cr.
A calculus level treatment of topics in gravitation, electricity, and magnetism. Prerequisite: PHYS 215 with a "C" or better, and MATH 189 with a "C" or better. Semester offered: Fall. [NM Common Course Number PHYS 1224, Area III; Laboratory Science Core]

PHYS-216L Engineering Physics Lab II 1 cr.
This course is the second in a two-semester laboratory sequence,

which accompanies the Calculus-based introductory physics sequence (215,216). Co-requisite or Pre-requisite: PHYS-216 (Strongly recommended that this course is taken at the same time as PHYS-216). Semester Offered: Fall.

PHYS-217 Engineering Physics III 3 cr.
A calculus level treatment of optics, special relativity, and atomic structure. Prerequisite: PHYS 216 with a "C" or better. Semester offered: Spring (on demand.)

PRE-NURSING

PNUR-110 Nurse Aide Certification 6 cr.
This course prepares students with skills required to care for the sick and infirm under the supervision of a Registered Nurse, Licensed Practical Nurse, or other health professional in nursing homes, hospitals, home care agencies, and skilled care facilities. Students are introduced to the nursing process: Assessment, Planning, Implementation, and Evaluation, which incorporates beginning critical thinking skills necessary to continue education in nursing and allied health fields. The course classroom, college skills lab, and clinical experience in local health care facilities meet the requirements of the Omnibus Reconciliation Act of 1987 (OBRA) and qualify individuals to take the State Certification Examination upon completion in accordance with this law. Prerequisites: None, but class has hybrid online component. Semester offered: Fall, Spring.

POLICE SCIENCE

POLI-115 Self Defense for Law Enforcement 2 cr.
Instructs students entering the law enforcement profession in a comprehensive self-defense program designed to meet the New Mexico Law Enforcement Academy for basic police officer training. Semester offered: Fall and Spring.

POLI-118 Physical Fitness for Law Enforcement 2 cr.
Provides students entering the law enforcement profession with a comprehensive fitness program designed to meet the New Mexico Law Enforcement Academy for basic police training.

POLI-120 Law 3 cr.
An introduction to persons seeking a career in the law enforcement profession with an understanding of criminal law and how it represents the power of government to prevent and punish socially harmful behavior. This course also examines the extent and limits of established rules of procedure in applying the rule of law.

POLI-130 Patrol Communications and Investigations 6 cr.
An outline of the functions of a patrol officer as it relates to law enforcement. It also provides guidelines for effective communication skills, professional written skills, and effective investigative skills associated with being the first responder at a crime scene.

POLI-160 Law Enforcement Professional Writing 3 cr.
Instructs students entering the law enforcement profession in practical experience for completing memoranda, letters, reports, and forms

commonly used by police officers. Semester offered: Fall, and Spring.

POLI-235 Traffic 3 cr.
Encompasses a portion of the police officer training standards mandated by the New Mexico Law Enforcement Academy for police officer training. It provides the student with the knowledge and skills necessary to recognize and properly enforce traffic laws in New Mexico.

POLI-240 First Responder for Law Enforcement 1 cr.
Provides instruction on the completion of the American Red Cross courses in standard first aid, C.P.R., emergency childbirth and care and handling of injured persons.

POLI-245 Police Proficiency I 3 cr.
Encompasses a portion of the police officer training standards mandated by the New Mexico Law Enforcement Academy for basic police officer training. It provides the student with basic investigative skills with regards to solving criminal activities such as auto theft, burglary, robbery, sex crimes, narcotics recognition, child abuse and stalking.

POLI-246 Police Proficiency II 3 cr.
Encompasses a portion of the police officer training standards mandated by the New Mexico Law Enforcement Academy for basic police officer training. The course includes a continuation of investigative techniques and evidence gathering included in POLI 245. Prerequisite: POLI 245.

POLI-247 Police Proficiency III 3 cr.
Encompasses a portion of the police officer training standards mandated by the New Mexico Law Enforcement Academy for basic police officer training. The course includes instruction in the areas related to defensive tactics, use of force and firearms training. Prerequisites: POLI 245, POLI 246.

POLITICAL SCIENCE

POLS-110 Intro to Political Science 3 cr.
Will introduce students to the major concepts of political science and to apply these concepts to current and historical events. The course is designed to enable students to think critically about local, national, and world politics. Prerequisites: APEN 70+ or ENGL 095; APRD 058+ or RDNG 095. Semester offered: Fall, Spring. [NM Common Course Number POLS 1113, Area IV; Behavioral/Social Science Core]

POLS-150 American Political Issues 3 cr.
Major problems of American society in their political implications and possible solutions. Prerequisites: APRD 81+ or RDNG 113; APEN 70+ or ENGL 095. Semester offered: - Spring.

POLS-160 International Political Issues 3 cr.
The course is designed to familiarize students with current developments, issues, and figures in world politics. Prerequisites: APRD 81+ or RDNG 113; APEN 70+ or ENGL 095. Semester offered: - On Demand.

POLS-210 State and Local Government 3 cr.
A study of the history, nature, organization and operation of state and local government in the United States, including an analysis of their relationship with the federal government. Semester offered: On Demand.