

**PHED-288 Volleyball II** 1 cr.  
Instruction in more advanced skills, strategies and officiating of volleyball with an emphasis on proper techniques. Meets physical Education activity requirements for AA degree. Prerequisites: PHED-188 or approval of instructor. Offered: Fall & Spring.

## PHILOSOPHY

**PHIL-110 Introduction to Philosophy** 3 cr.  
A historical survey of the main branches of philosophy; metaphysics, theory of knowledge, ethics, and aesthetics. Some treatment of the philosophies of religion, language, science, political, and social philosophy. [NM Common Course Number PHIL 1113, Area V: Humanities/Fine Arts Core]. Prerequisites: Completion of ENGL-111 or appropriate English Accuplacer score. Offered: Fall & Spring.

**PHIL-115 Introduction to Ethics** 3 cr.  
The philosophical examination of the concept of morality and development of an appreciation for the difficulty of ethical judgments in practice. [NM Common Course Number PHIL 2113, Area V: Humanities/Fine Arts Core]. Prerequisites: Completion of ENGL-111 or appropriate English Accuplacer score. Offered: Fall & Spring.

**PHIL-271 Navajo Philosophy** 3 cr.  
Examines Dine philosophical thought regarding metaphysics, epistemology, aesthetics, ethics, religion, and traditional social structure. Offered in collaboration with Dine College (NIS 371). Prerequisites: ANTH-111. Offered: Spring.

## PHOTOGRAPHY

**PHOT-150 Basic Photography** 3 cr.  
This course is designed for the beginning photography student. The students will learn camera operation, the interaction of light on film, design principles, lighting, film processing, and printing black and white photographs in the darkroom. An introduction to the history of photography will enable students to understand the context of photography and image creation. Students must have a 35mm film camera. Manual controls are preferable but an automatic camera is acceptable. Offered: Fall.

**PHOT-160 Digital Photography** 3 cr.  
This course teaches basic digital editing using PhotoShop CS4. Students will learn how to operate a digital camera, download images, basic editing workflow and printing. Color theory will be introduced and creating artistic visual images will be emphasized. Students must supply their own digital camera. Offered: Fall & Spring.

**PHOT-220 Intermediate Photography** 3 cr.  
This course will introduce fine art film and printing techniques using the Zone System. Different films, papers and developers will be explored. The process of interpreting, evaluating and theorizing photographs will be discussed. Presentation methods will be explored and an emphasis will be on creating a strong portfolio of images. Prerequisites: PHOT-150. Offered: Fall & Spring.

**PHOT-240 Intermediate Digital Photography** 3 cr.  
This course explores creativity and the making of personal images

in the context of understanding visual culture and self-expression. Students will explore their interest in photography and learn to 'see' as a photographer. Student will become proficient in writing and talking about photographs and how this impacts their own work. The course covers other photographers and art theory. The course uses Photoshop CS4 for editing and enhancing images. Included in class time is a lab. Prerequisites: PHOT-160. Offered: Spring.

**PHOT-252 Advanced Photography** 3 cr.  
Advanced concepts of photography will be explored resulting in the development of a personal portfolio of images. Prerequisites: PHOT-220. Offered: Fall.

## 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. Prerequisites: Completion of MATH-095 and RDNG-095 or appropriate Math and Reading Accuplacer scores. Offered: Fall & Spring.

**PHYS-211 Gen Physics I** 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. It is strongly recommended that this course is taken at the same time as PHYS-211L. [NM Common Course Number PHYS 1114, Area III; Laboratory Science Core]. Prerequisites: MATH-160 or MATH-170. Completion of RDNG-095 and ENGL-099 or appropriate Reading and English Accuplacer scores. Offered: Fall & Spring.

**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. It is strongly recommended that this course is taken at the same time as PHYS-211. For students who have completed PHYS-211, this lab may be taken separately with permission of the instructor. Corequisites: PHYS-211. Offered: Fall & Spring.

**PHYS-212 General Physics II** 3 cr.  
A continuation of PHYS 211 in which electricity, magnetism, light, and modern physics are studied. Strongly recommended this course be taken with PHYS-212L. [NM Common Course Number PHYS 1124, Area III; Laboratory Science Core]. Prerequisites: PHYS-211; minimum grade C. Offered: On Demand.

**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. It is strongly recommended that this course is taken at the same time as PHYS-212. For students who have completed PHYS-212, this lab may be taken separately with permission of the instructor. Corequisites: PHYS-212. Offered: On Demand.

**PHYS-215 Engineering Physics I 3 cr.**

A calculus level treatment of classical mechanics and waves. Physics principles are emphasized and illustrated by examples and problem practice. Strongly recommended this course be taken with PHYS 215L. Prerequisites: MATH-188 or higher and PHYS 111 or higher with a minimum grade of C. Offered: Fall & Spring.

**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). For students who have completed PHYS-215, this lab may be taken separately with permission of the instructor. Corequisites: PHYS-215. Offered: Fall & Spring.

**PHYS-216 Engineering Physics II 3 cr.**

A calculus level treatment of topics in gravitation, electricity, and magnetism. It is strongly recommended that this course is taken at the same time as PHYS-216L. Prerequisites: PHYS-215 and MATH-189, minimum grade of C. Offered: Fall & Spring.

**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). It is strongly recommended that this course is taken at the same time as PHYS-216. For students who have completed PHYS-216, this lab may be taken separately with permission of the instructor. Corequisites: PHYS-216. Offered: Fall & Spring.

**PHYS-217 Engineering Physics III 3 cr.**

A calculus level treatment of optics, special relativity, and atomic structure. Prerequisites: PHYS-216 with a minimum grade C. Offered: On Demand.

**PRE-NURSING****PNUR-110 Nurse Aide Certification 6 cr.**

This course prepares students with skills required in the care of the sick and infirm under the supervision of an RN (Registered Nurse), LPN (Licensed Practical Nurse), or other health professional in nursing homes, hospitals, home care agencies, and skilled care facilities. The course classroom, college skills lab, and clinical experience in local health care facilities meets the requirements to apply for the State Certification Examination upon completion in accordance with the Omnibus Reconciliation Act. Prerequisites: Placement into RDNG-095 and MATH-095 or appropriate Reading and Math Accuplacer scores. Offered: All.

**PNUR-111 Nursing Foundations 3 cr.**

PNUR-111 prepares prospective nursing students with the basic skills and theoretical content necessary to enter the San Juan College Associate Degree in Nursing program (ADN). This course provides patient care experiences in college laboratory-simulated and area health care clinical environments. 3 credits (2+3P). This course requires a total of 45 hours of lab, simulation, and clinical practice. Minimum grade required: C. Prerequisites: Completion of Reading 095, English 095, and Math 095 (Minimum grade required: C) or appropriate Reading, English, and Math Accuplacer scores. Offered: All.

**POLITICAL SCIENCE****POLS-110 Intro to Political Science 3 cr.**

Political Science 110 will introduce students to the major concepts of the discipline of political science, and will teach students 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. [NM Common Course Number POLS 1113, Area IV; Behavioral/Social Science Core]. Prerequisites: Completion of ENGL-095 and RDNG-095 or appropriate English and Reading Accuplacer Scores. Offered: Fall & Spring.

**POLS-150 American Political Issues 3 cr.**

Major problems of American society in their political implications and possible solutions. Prerequisites: Completion of RDNG-113 and ENGL-095 or appropriate English and Reading Accuplacer scores. Offered: On Demand.

**POLS-160 International Political Issues 3 cr.**

The course is designed to familiarize students with current developments, issues, and actors in world politics. Prerequisites: Completion of ENGL-095 and RDNG-113 or appropriate English and Reading Accuplacer Scores. Offered: On Demand.

**POLS-210 State & 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. Offered: On Demand.

**POLS-220 Native American Politics 3 cr.**

Examines Native American political issues and government dynamics in contemporary and historical times. Themes include: history and structures of tribal government; cultural issues; intergovernmental dynamics; and the role of tribal politics in contemporary Native American life. Offered: Fall, of odd years.

**POLS-230 Political Ideas 3 cr.**

A critical examination of ideas such as justice, democracy, freedom, citizenship, and others, through an exploration of political thought from ancient to contemporary times. Offered: Spring.

**POLS 240 Comparative Politics 3 cr.**

The course is designed to give students the ability to understand and evaluate political regimes by focusing on the political history, socioeconomic structure and contemporary political institutions and behavior. These phenomena will be examined as they occur in countries representing diverse cultures, geographies, and levels of development. Offered: Spring.

**POLS-250 American National Government 3 cr.**

The course is designed to give students an overview of the institutions, processes, and outcomes of American government. Students are encouraged to think critically about the importance of these institutions and processes in addressing the issues that American society faces in the twenty-first century. [NM Common Course Number POLS 1123, Area IV; Behavioral/Social Science Core]. Prerequisites: Completion of ENGL-111 and RDNG-113 or appropriate English and Reading Accuplacer scores. Offered: Fall & Spring.