

- ACCT 459. Ethics and Professionalism in Accounting 3 cr.
Introduction to ethical reasoning, integrity, objectivity, independence, and professional accounting issues. Students will apply the concepts and theories to accounting-specific cases. Prerequisite: grade of C or better in ACCT 451 or concurrent enrollment or consent of instructor. Same as ACCT 559.
- ACCT 460. Fraud Examination and Prevention 3 cr.
Covers business fraud as it is occurring in American society. Emphasis is on occupational fraud and financial statement fraud. Examines various types of fraud, its symptoms and effective investigation techniques. Effective fraud prevention measures are discussed throughout the course. Emphasizes case studies and the application of principles to actual fraud cases. Prerequisites: a C or better in ACCT 451 or concurrent enrollment.
- ACCT 490. Selected Topics 1-3 cr.
Current topics in accounting. Prerequisites vary according to the seminar offered. May be repeated for a maximum of 12 credits under different subtitles.
- ACCT 498. Independent Study 1-3 cr.
Individual studies directed by consenting faculty with the prior approval of the department head. Prerequisites: junior or senior standing and consent of instructor. A maximum of 3 credits may be earned.

• A EN—Agricultural Engineering Department of Civil Engineering

- A EN 151. Introduction to Agricultural Engineering 3 cr.
Historical development of computers and their effects on society as a whole and engineering in particular. Word processing, spreadsheets, C programming, and other applications on microcomputers. Satisfies General Education Computer Science requirement. Corequisite: MATH 185 or equivalent. Same as C E 151 and G EN 151.
- A EN 335. Engineering for Biological Systems 3 cr.
A study of the engineering principles of life support systems for plants and animals. Prerequisites: MATH 192 and M E 240 or M E 346.
- A EN 338. Ranch Equipment and Utilities 3 cr.
Engineering factors affecting the selection and operation of ranch equipment. Design of fencing systems, pipelines, and waste handling facilities.
- A EN 372. Landscape Irrigation Design 3 cr. (2+3P)
Elementary design of trickle and sprinkler systems for landscape applications.
- A EN 435. Small Building and Utilities Design 3 cr.
Design of small, single story buildings and service utilities. Prerequisite: C E 301.
- A EN 440. Design Applications 3 cr.
Application of engineering course material to agricultural hardware or systems design. Prerequisite: consent of instructor.
- A EN 459. Design of Water Wells/Pumping Systems 3 cr.
Design of water wells; selection and specification of pumps and power units. Prerequisite: C E 382.
- A EN 475. Soil and Water Conservation 3 cr.
Types and extent of erosion. Design and operation of structural and vegetative systems to control erosion. Elements of hydrology. Prerequisite: C E 331. Corequisite: C E 382 or consent of instructor.
- A EN 476. Conservation Engineering 1 cr. (3P)
Engineering aspects of soil and water conservation. Corequisite: A EN 475.
- A EN 478. Irrigation and Drainage Engineering 3 cr. (2+3P)
Design and operation of surface and sprinkler irrigation systems; pumping and conveyances; introduction to principles and practices of drainage systems and wells. Prerequisite: C E 382 or consent of instructor.
- A EN 479. Irrigation Systems Design and Management 3 cr. (2+3P)
Irrigation scheduling, hydraulic control and operation of irrigation systems, flow regulation and measurement, engineering design of main systems. Prerequisite: A EN 478 or consent of instructor.
- A EN 498. Special Topics 1-3 cr.
Prerequisite: consent of instructor. May be repeated for a maximum of 6 credits.

• AERO—Aerospace Studies

- AERO 000. Air Force Leadership Laboratory 0 cr. (2P)
Progressive study and application of Air Force customs, courtesies, drill, ceremonies, military commands, and evaluating these skills. Cadets plan and control the military activities of the cadet corps, prepare and present briefings, motivate, and increase the performance of other cadets. Mandatory each semester for cadets pursuing a commission.
- AERO 121. The Air Force Today I 1 cr. (1+1.5P)
Survey course on the USAF and AFROTC. Includes mission and organization of the Air Force, officership and professionalism, military customs and courtesies, and basic communication skills. Leadership Lab practicum, AERO 000 is included.
- AERO 122. The Air Force Today II 1 cr. (1+1.5P)
Continuation of AERO 121, with emphasis on Air Force officer opportunities, group leadership problems, and further development of communication skills (oral and written). Includes Leadership Lab practicum, AERO 000.
- AERO 221. The Air Force Way I 1 cr. (1+1.5P)
Topics include: Air Force heritage, Air Force leaders, an introduction to ethics and values, and an application of communication skills. Facilitates the transition from Air Force ROTC cadet to Air Force ROTC candidate. Includes Leadership Lab practicum, AERO 000.
- AERO 222. The Air Force Way II 1 cr. (1+1.5P)
Continuation of AERO 221, including an introduction to leadership, quality Air Force, and continued application of communication skills. Includes Leadership Lab practicum, AERO 000.
- AERO 301. Air Force Leadership and Management I 3 cr. (3+1.5P)
Study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. (Includes Leadership Lab practicum, AERO 000.) Prerequisites: AERO 121, AERO 122, AERO 221, and AERO 222, or consent of instructor.
- AERO 302. Air Force Leadership and Management II 3 cr. (3+1.5P)
Continuation of AERO 301, with case studies used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts studied. Continued emphasis on developing communication skills. (Includes Leadership Lab practicum, AERO 000.) Prerequisites: AERO 301 or consent of instructor.
- AERO 401. Preparation for Active Duty I 3 cr. (3+1.5P)
Examines the national security process, regional studies, and Air Force doctrine. Special topics focus on the military as a profession, officership, and civilian control of the military. Communication skills (oral and written) are refined. (Includes Leadership Lab practicum, AERO 000.) Prerequisites: AERO 301, AERO 302, or consent of instructor.
- AERO 402. Preparation for Active Duty II 3 cr. (3+1.5P)
Continuation of AERO 401, concentrating on advanced leadership ethics, military justice, preparation for active duty, and current issues affecting military professionalism. Continued emphasis on communication skills necessary to succeed as a junior officer. (Includes Leadership Lab practicum, AERO 000.) Prerequisite: AERO 401 or consent of instructor.

• AG E—Agricultural Economics

Department of Agricultural Economics and Agricultural Business

- AG E 100. Introductory Agricultural Economics and Business 3 cr.
Orientation to agricultural supply businesses, farm and ranch production, food markets, food processing and distribution, and food consumption. Microeconomic principles for managers.
- AG E 111. Freshman Orientation 1 cr.
Orientation to university life, including available resources and methods to promote success at NMSU. General exposure to fields in agriculture and home economics. Open to all freshmen and transfer students. Graded S/U.
- AG E 200. Special Topics 1-4 cr.
Specific subjects and credits to be announced in the *Schedule of Classes*. Maximum of 4 credits per semester. No more than 9 credits toward a degree.
- AG E 210G. Survey of Food and Agricultural Issues 3 cr.
Survey of food and agricultural issues, including: geography of food production and consumption; human-agricultural-natural resource relations; agriculture in the United States and abroad; modern agribusiness; food safety; food, agriculture, and natural resources policy; ethical questions; role and impact of technology. Same as HNFS 210G.