

in a contemporary practice setting. Prerequisites: DHYG 110, 112, 113, 114, 115, and 217. Corequisites: DHYG 223, 224, 227, and enrolled in or completed with a C or above, SPCH110 or 111. Semester Offered: Spring.

DHYG-233 Clinical Dental Hygiene Seminar III 2 cr.
Continuing development of a theoretical framework of dental hygiene treatment with advancement of dental hygiene proficiency in all areas of dental hygiene treatment. Presentation and discussion of case histories from patients and preventive measures employed against disease concurrent with clinical practice with emphasis on special needs patients. Prerequisites: DHYG 221, 225. Corequisites: DHYG 229, 234, 235, 237, and enrolled in or completed with a C or above, SOCI 110. Semester Offered: Fall.

DHYG-234 Clinical Dental Hygiene III 3 cr.
A continuation of clinical skills, patient assessments, treatment and appointment scheduling, preventive techniques and application of dental hygiene procedures at the intermediate to advanced level. Work-based instruction that helps students synthesize new knowledge, apply previous knowledge or gain experience managing the workflow. Practical experience is simultaneously related to theory. Direct supervision is provided by the clinical faculty. Prerequisites: DHYG 221, 225 Corequisites: DHYG 229, 233, 235, 237 and enrolled in or completed with a C or above, SOCI 110. Semester Offered: Fall.

DHYG-235 Dental Public Health 3 cr.
Study of the principles and concepts of community public health and dental health education with an emphasis on community assessment, educational planning, implementation and evaluation. Introduction to statistical, scientific review of literature. Laboratory emphasizes methods and materials used in teaching dental health education in various community environments. Prerequisites: DHYG 221, 225 Corequisites: DHYG 229, 233, 234, 237 and enrolled in or completed with a C or above, SOCI 110. Semester Offered: Fall.

DHYG-237 Local Anesthesia and Pain Control 2 cr.
A study of the application of various physical, chemical and psychological modalities to the prevention and treatment of pre-operative and post-operative patient anxiety and pain. Emphasis is placed on dental hygiene administration of local anesthesia and the monitoring of nitrous oxide. Prerequisites: DHYG 221, 225 Corequisites: DHYG 229, 233, 234, 235 and enrolled in or completed with a C or above, SOCI 110. Semester Offered: Fall.

DHYG-243 Clinical Dental Hygiene Seminar IV 2 cr.
A continuation of information to prepare the student for advanced clinical practice. Provides an in-depth study of dental hygiene care for diverse patient populations and provides a forum for evaluation of the service project from Dental Public Health, and synthesis of all dental hygiene knowledge, skills and attitudes into a case presentation. Prerequisites: DHYG 229, 233, 234, 235, 237. Corequisites: DHYG 244, 245, 247 and enrolled in or completed with a C or above PSYC 120. Semester Offered: Spring.

DHYG-244 Clinical Dental Hygiene IV 3 cr.
The clinical sessions combine both basic and advanced dental hygiene

skills with time management techniques essential for private practice. Comprehensive patient care to include assessment, dental hygiene diagnosis, treatment planning, implementation and evaluation of dental hygiene care, nonsurgical periodontal therapy, adjunct clinical procedures, ultrasonic instrumentation, patient management, sealants and comprehensive programs for control of dental diseases will be emphasized. Practical experience is simultaneously related to theory. Course consists of faculty supervised patient treatment in the clinic. Prerequisites: DHYG 229, 233, 234, 235, 237. Corequisites: DHYG 243, 245, 247 and enrolled in or completed with a C or above PSYC 120. Semester Offered: Spring.

DHYG-245 Principles of Practice 2 cr.
Examination of the dental hygienists role in practice settings including dental office management, employment considerations in both traditional and non-traditional settings, the future role of the dental hygienist, resume preparation and job interviewing. Emphasis on the laws governing the practice of dentistry and dental hygiene in New Mexico and the ethical standards established by the dental hygiene profession. Prerequisites: DHYG 229, 233, 234, 235, 237. Corequisites: DHYG 243, 244, 247 and enrolled in or completed with a C or above PSYC 120. Semester Offered: Spring.

DHYG-247 Practicum 2 cr.
The practicum provides the student the opportunity to apply the theory of dental hygiene practice and supervised clinical experience to a practical setting. Prerequisites: DHYG 229, 233, 234, 235, 237. Corequisites: DHYG 243, 244, 245, and enrolled in or completed with a C or above PSYC 120. Semester Offered: Spring.

DIESEL MECHANICS

DIME-110 Diesel Engine Overhaul 9 cr.
Study of the diesel fueled internal combustion engine. Complete disassembly and reassembly and final tune-up. Diagnosis of system malfunction. Basic failure analysis. Dynamometer testing of engines. Diagnosis and repairs will be performed on various manufacturer equipment and components. Safety will be strictly enforced. Corequisite DIME 111. Semester offered: Fall even numbered years.

DIME-111 Fuel Systems 5 cr.
Study of the theory and operation of diesel fuel injection equipment. Diagnosis and repairs will be performed on various manufacturer equipment and components. Safety will be strictly enforced. Corequisite DIME 110. Semester offered: Fall even numbered years.

DIME-113 Preventive Maintenance Inspection 5 cr.
Study of vehicle/equipment inspections and practices, preventive maintenance scheduling, inspection techniques, pre-and post-repair inspections, and record keeping. Diagnosis and repairs will be performed on various manufacture equipment and components. Safety will be strictly enforced. Semester offered: Fall.

DIME-123 Brakes 5 cr.
Study of the theory and operation of medium and heavy duty truck air brake systems, hydraulic brake systems, retarders and foundation

brake components. Corequisites: DIME-124, DIME-230. Semester offered: Spring.

DIME-124 Drivetrains 4 cr.
Study of the theory and operation of medium and heavy duty truck manual drivetrains, clutches, manual transmissions, drivelines, differentials and final drive components. Corequisites: DIME-123, DIME-230. Semester offered: Spring.

DIME-125 Steering 5 cr.
Theory and operation of steering systems for medium and heavy-duty trucks. Steering component diagnosis and repair, wheel alignment and wheel end component adjustment, inspection and repair. Corequisites: DIME-126, DIME-240. Semester offered: Fall.

DIME-126 Suspensions 4 cr.
Theory and operation of suspension systems for medium and heavy-duty trucks. Corequisites: DIME-125, DIME-240. Semester offered: Fall.

DIME-127 Fluid Power 5 cr.
A study of liquids and their ability to accomplish work. Hydrodynamic, hydrostatic and computer-controlled hydraulic systems will be discussed. Corequisite: DIME-128. Semester offered: Spring.

DIME-128 HVAC 4 cr.
Studies the theory and operation of mobile HVAC systems in equipment and medium/heavy duty on-highway trucks. Corequisite: DIME-127. Semester offered: Spring.

DIME-129 Drivability 5 cr.
Study of vehicle/equipment electronics, engine management and emissions systems. Will incorporate the use of electronic service tools, software programs, on-board diagnostics, multiplexing and diesel emission after treatment. Corequisite: DIME-213. Prerequisite: AUTE-113. Semester offered: Spring.

DIME-207 Apprentice Mechanical Training VIII 8 cr.
This advanced course will review the student's skills as they apply to meeting the requirements of BHP. Safety and work ethics are emphasized.

DIME-213 Advanced Electrical 5 cr.
Study of vehicle/equipment electrical and electronic control and monitoring systems, including senders, sensors, wiring, etc. Diagnosis and repairs will be performed on various manufacturers' equipment and components. Corequisite: DIME-129. Prerequisite: AUTE-113. Semester offered: Spring.

DIME-230 Advanced Brakes and Drivetrains 5 cr.
Study of hydraulic operated/assisted drive trains. Retarders, variable, fixed and lockup torque converters, shuttle shift/power-shift electronic control transmissions, differentials and final drives, foundation brake components for off highway/construction/mining equipment will be covered. Diagnosis and repairs will be performed on various manufacturer equipment and components. Safety will be strictly enforced. Corequisite: DIME 130. Semester offered: Spring odd numbered years.

DIME-240 Advanced Steering and Suspension 5 cr.
This course will be based on the study of steering systems and suspension systems for off highway equipment. Diagnosis and repairs will be performed on various manufacturers' equipment and components. Safety will be strictly enforced. Corequisite: DIME 140. Semester offered: Spring even numbered years.

DIME-280 Cooperative Education 1-16 cr.
This course provides learning experiences gained in employment. Student will be evaluated jointly by college personnel and employer. Prerequisites: Successful completion of first semester Diesel courses in the student's selected program option.

DIGITAL MEDIA ARTS AND DESIGN

DMAD-110 Introduction to Multimedia 3 cr.
A general introduction to the concepts and software used in creating multimedia. Course focuses on how each individual element plays an important role in communicating messages and how use of multiple media can increase and change messages. This hands on survey introduces relevant multimedia technologies, with a focus on interactive media platforms such as the web, DVD's, CD's, electronic documents and examines current multimedia trends.

DMAD-170 Intro to Digital Image Editing 2 cr.
A general introduction to digital image editing using Adobe Photoshop. This course introduces the workspace and focuses on the programs tools for image editing and retouching. Projects in this class will be optimized for both print, web, and video distribution.

DMAD-172 Digital Image Editing Intermediate Techniques 2 cr.
Focuses on intermediate digital image editing techniques using Adobe Photoshop. Students will begin to work with selection tools, layers and basic image compositing. Projects in this class will be optimized for print, web and video distribution.

DMAD-174 Digital Image Editing Advanced Compositing 2 cr.
Designing programs for the Windows Graphical User Interface. A modern object-oriented language with good GUI capabilities will be used. Prerequisite: COSC 262. Semester offered: Spring.

DMAD-176 Digital Image Editing Applications 2 cr.
An application of advanced digital image editing techniques using Adobe Photoshop. Students will use knowledge from previous DMAD 170, DMAD 172, and DMAD 174 in weekly projects that introduce and emphasize the principles of two-dimensional design.

DMAD-200 Intro to Web Design using Dream Weaver 2 cr.
This course is an introduction to web design using the Dreamweaver HTML editor. Students will learn how to create and manage a website and modify content using cascading style sheets. Course also examines how to understand the code that is generated by HTML editing programs.

DMAD-202 Creative Web Design 3 cr.
This course covers aspects of creative web design. Topics include