

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. 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. Offered: Fall.

DHYG-237 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. 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. 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. 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, 245. 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. Offered: Spring.

DIESEL MECHANICS

DIME-110 Diesel Engine Overhaul 9 cr.
Study of the diesel fueled internal combustion engine. Complete disassembly and reassembly, final tune-up, diagnosis of system malfunction, and basic failure analysis. Safety will be strictly enforced. Corequisites: DIME-111. Offered: Fall.

DIME-111 Fuel Systems 5 cr.
Theory and operation of various fuel injection systems on diesel powered equipment. Safety will be strictly enforced. Corequisites: DIME-110. Offered: Fall.

DIME-115 Electrical 4 cr.
Basic fundamentals of electrical theory, magnetism, current flow, Ohms Law, series, parallel, and series parallel circuit calculations. Safety will be strictly enforced. Offered: Fall.

DIME-118 Preventative Maintenance & Inspection 6 cr.
An introduction to vehicle/equipment inspection practices, preventative maintenance scheduling, pre-and post-repair inspections, and record keeping. Safety will be strictly enforced. Offered: Fall.

DIME-123 Brakes 5 cr.
Theory and operation of air brake systems, hydraulic brake systems, retarders, and foundation brake components. Safety will be strictly enforced. Corequisites: DIME-230, DIME-124. Offered: Spring.

DIME-124 Drivetrains 4 cr.
Theory and operation of clutches, manual transmissions, drivelines, differentials and final drive components. Safety will be strictly enforced. Corequisites: DIME-230, DIME-123. Offered: Spring.

DIME-125 Steering 5 cr.
Steering component diagnosis and repair to include wheel alignment, wheel end components, and 5th wheels. Safety will be strictly enforced. Corequisites: DIME-126. Offered: Fall.

DIME-126 Suspensions 4 cr.
Theory and operation of various suspension systems on medium and heavy-duty trucks. Safety will be strictly enforced. Corequisites: DIME-125. Offered: Fall.

DIME-129 Drivability 5 cr.
Vehicle/equipment electronic management and emissions systems. Will incorporate the use of electronic service tools, software programs, on-board diagnostics, multiplexing, and diesel emission after treatment. Safety will be strictly enforced. Prerequisites: AUTE-113 or DIME-115. Corequisites: DIME-213. Offered: Spring.

DIME-137 Fluid Power 4 cr.
Liquids and their ability to accomplish work. Hydrodynamic, hydrostatic, and computer controlled hydraulic systems will be

covered. Safety will be strictly enforced. Corequisites: DIME-138. Offered: Spring.

DIME-138 HVAC 5 cr.
Theory and operation of mobile heating, ventilation, and air conditioning systems in equipment and medium/heavy duty trucks. Safety will be strictly enforced. Corequisites: DIME-137. Offered: Spring.

DIME-211 Bio Diesel 2 cr.
Instructor facilitated student research into bio diesel. The class is designed as a research of the manufacturing, benefits, problems with bio diesel, and basic bio diesel chemistry and manufacturing chemistry. Issues and infrastructure for bio diesel will be introduced. Safety will be strictly enforced. Offered: Fall.

DIME-213 Advanced Electrical 5 cr.
Basic theory and operation of vehicle/equipment electrical systems including starting, charging, and monitoring components. Safety will be strictly enforced. Prerequisites: AUTE-113 or DIME-115. Corequisites: DIME-129. Offered: Spring.

DIME-230 Advanced Brakes & Drivetrains 5 cr.
Theory and operation of hydraulically operated/assisted drive trains including torque converters, transmissions, differentials, final drives, and foundation brake components for off-highway equipment. Safety will be strictly enforced. Corequisites: DIME-123, DIME-124. Offered: Spring.

DIME-250 Advanced Steering and Suspension 4 cr.
This course will be based on the study of steering systems and suspension systems for off highway equipment. Safety will be strictly enforced. Prerequisites: DIME-125 and DIME-126. Offered: Fall.

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. Prerequisites: Completion of Math-050, ENGL-099 and RDNG-050 or appropriate Math, English and Reading Accuplacer scores. Offered: Fall & Spring.

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. Prerequisites: Completion of Math-095, ENGL-099 and RDNG-095 or appropriate Math, English and Reading Accuplacer scores. Corequisites: DMAD-172 Offered: Fall.

DMAD-172 Digital Image Editing Inter. Techniques 2 cr.
This course 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. Prerequisites: Completion of Math-095, ENGL-099 and RDNG-095 or appropriate Math, English and Reading Accuplacer scores. Corequisites: DMAD-170 Offered: Fall.

DMAD-174 Digital Image Editing Adv. Compositing 2 cr.
This course is an introduction to advanced digital image editing techniques using Adobe Photoshop. Students will learn how the image editing software integrates into areas of web, video, animation, and multimedia design. ImageReady will be used to create animations for web delivery. Students will also become familiar with how to create automatic actions to increase work efficiency. Prerequisites: DMAD-170 and DMAD-172. Corequisites: DMAD-176. Offered: Spring.

DMAD-176 Digital Image Editing Apps 2 cr.
This course is 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 2 dimensional design. Prerequisites: DMAD-170 and DMAD-172. Corequisites: DMAD-174. Offered: Spring.

DMAD-200 Intro to Web Design using DW 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. The course also examines how to understand the code that is generated by HTML editing programs. Prerequisites: DMAD-110, ARTS-151, and COME-120. Corequisites: DMAD-202. Offered: Fall.

DMAD-202 Creative Web Design 3 cr.
This course covers aspects of creative web design. Topics include graphic design, HTML, site management, typography, theory, e-commerce, and web development tools. Projects will be created by identifying a target audience, addressing accessibility issues and adhering to current web design standards. Offered: Fall.

DMAD-210 Intro to Non-Linear Video 2 cr.
This course is an introduction to digital video editing using Adobe Premiere. Students will learn how to create simple and complex video sequences in a non-linear video editing system. Video projects will be optimized for web, mobile devices, and DVD distribution. Offered: Fall.

DMAD-212 Digital Video Production 3 cr.
This hands-on course focuses on the process required to create video compositions. Students will be studying composition, lighting, recording and sound recording techniques, and various script styles. Student teams will work using electronic field production techniques to create numerous projects. Offered: Fall.

DMAD-220 Intro to Digital Layout & Design 2 cr.
This course is an introduction to digital layout and design using Adobe InDesign. Students will learn how to create multi-column and multi-page layouts in a digital environment. Techniques of type formatting, digital image management, layers, and vector drawing will be explored. Design projects will be optimized for print and web distribution. Prerequisites: DMAD-110, ARTS-151, COME-120, and ARTS-152. Corequisites: DMAD-222. Offered: Fall.