

COSC-125 Business Microcomputer Applications 3 cr.

This course is designed to provide students with real world examples and procedures that will prepare them to be skilled users of microcomputers. Students gain hands-on experience in utilizing database, spreadsheet, and word processing applications in the Windows operating system. [NM Common Course Number: BCIS 1113, Business Transfer Module]. Offered: All.

COSC-135 Computer/Basic Management 3 cr.

A course in management using the computer for Automotive Technology students covering concepts in shop management, small business administration and accounting, and computer systems. Permission of Instructor. Offered: On Demand.

COSC-137 Energy Industry Microcomputer 3 cr.

This course is designed to give students in the School of Energy specific skills in using microcomputers. Students will be given hands-on experience in using scheduling, word processing, spreadsheet and graphic presentation applications. Students will also learn to work with a computer operating system. Prerequisites: Completion of RDNG-095 or appropriate Accuplacer Reading scores. Offered: All.

COSC-185 Database Management Systems 3 cr.

This course instructs students in the most current and widely used database programs on microcomputers. It teaches the concepts and procedures needed to become a designer, developer, and informed user of databases. Topics covered in this course include creating and editing tables, forms, reports, data access pages, and using the World Wide Web and hyperlink fields. This course can be used to prepare for the corresponding Microsoft Certified Application Specialist exam. Offered: Fall & Spring.

COSC-190 Database Concepts & Principles 3 cr.

A comprehensive course providing a solid, modern foundation in the fundamentals of database processing. Coverage includes understanding and applying entity-relationship data modeling, relational database design and table normalization, the SQL language and database coding, and introduction to popular multi-user databases, and current database access standards. Offered: Fall.

COSC-202 Web Development I 3 cr.

Introduction to HTML code. Creating and designing a web page in HTML, adding tables and using frames in web design. Use XML to create interactive, dynamic Web pages. Implement cascading style sheets. Prerequisites: Completion of MATH-096, ENGL-095, and RDNG-113 or appropriate Accuplacer scores in Math, English, and Reading. Offered: Fall.

COSC-203 Web Development II 3 cr.

This course expands on existing HTML/XHTML skills learned in COSC 202 with advanced techniques of clientside web page development using a variety of cutting edge technologies and software to help produce professional looking and structured multimedia web sites. Prerequisites: COSC-202. Offered: Spring.

COSC-214 Visual Basic I 3 cr.

An introduction to object oriented, event-driven business application programming and graphical user interfaces in the Microsoft Windows environment. Offered: Fall & Spring.

COSC-218 Comp Programming Fund II W/C++ 3 cr.

Intermediate level course in object-oriented programming with emphasis on development and use of classes in the Microsoft Visual Studio.NET environment using C++. Inheritance, polymorphism, pointers, and templates are covered. The Standard Template Library is presented as an introduction to data structures. Prerequisites: COSC-118. Offered: Spring.

COSC-223 Applications-Based Programming 3 cr.

Microcomputer program design and implementation with an emphasis on programming from an application environment. Includes the Windows programming environment, advanced database programming, and advanced use of macros in word processing and spreadsheeting environments. Prerequisites: AOAP-210, COSC-116, and COSC-185. Offered: Spring.

COSC-225 Information Systems Design 3 cr.

Information system design techniques for computer-based information systems, including problem definition techniques, design procedures for input, output and file organization. Course uses the seminar approach with group simulation projects. Offered: Spring.

COSC-236 UNIX 3 cr.

An introduction to the Linux operating system. A study of basic installation, operation, administration and troubleshooting services for the Linux operating system on workstations and servers. May be preparation for an industry certification. Prerequisites: COSC-262. Offered: Fall.

COSC-240 Java Programming 3 cr.

Object-Oriented programming in Java. The course covers all the basics of Java Programming with special emphasis on classes, graphics, and animation. Prerequisites: COSC-118. Offered: Fall.

COSC-243 Web Programming on UNIX 3 cr.

Designing server side applications for the Apache web server installed on UNIX systems. Interacting with databases using SQL. Developing dynamic Web pages using CGI and Perl. Prerequisites: COSC-118 and COSC-236. Offered: Spring.

COSC-262 Data Structures With C++ 3 cr.

A course in data structures, software methodologies, and analysis of algorithms using the object-oriented programming language C++. The Standard Template Library (STL) is covered in detail. Prerequisites: COSC-218. Offered: Fall.

COSC-270 Windows GUI Programming 3 cr.

Designing application programs for the Windows GUI. Learning the Microsoft Foundation Classes (MFC) and how to use them. Working in the Visual Studio. NET integrated development environment. Prerequisites: COSC-262. Offered: Spring.

COSMETOLOGY**COSM-110 Theory I 3 cr.**

Introduces the student to the cosmetology industry concerning professional image, ethics, first aid, NM state laws and regulations, chemistry and electricity. Offered: Fall and Spring Faculty Permission Required.

- COSM-111 Theory II** 3 cr.
Reviews the NM cosmetology state laws and regulations and professional standards. It also includes a study of the practices and techniques that are needed to pass the state board exam for cosmetology. Offered: Fall and Spring. Faculty Permission Required.
- COSM-120 Sterilization & Sanitation** 2 cr.
This course covers related theory, safety, methods of sterilization of materials and implements, preparation, procedures and practices, public sanitation and chemical agents. Faculty Permission Required.
- COSM-130 Shampoos, Rinses & Scalp Treat** 2 cr.
Introduces the student to the preparation, procedures and practices, materials, implements, hair analysis, scalp disorders, related chemistry, record keeping and safety. Offered: Fall and Spring. Faculty Permission Required.
- COSM-140 Facials** 3 cr.
Introduces the related theory, anatomy, physiology, procedures and practical applications, products, theory of massage, various skin conditions, makeup application, removal of unwanted hair, client consultations, record keeping and safety. Offered: Fall and Spring. Faculty Permission Required.
- COSM-151 Manicuring/Pedicuring** 2 cr.
Focuses on advanced nail techniques, including nail enhancements, related theory, application of nail tips, overlays, acrylic nails, and fiberglass nails. Also included is the study of nail disorders, nail diseases and nail irregularities. Offered: Fall and Spring. Faculty Permission Required.
- COSM-160 Haircutting** 5 cr.
This course covers related basic theory, anatomy, physiology, preparations, basic procedures and practices using scissors, shears, razors and clippers. The course also looks at client consultations and recommendations, safety procedures and record keeping. Offered: Fall and Spring. Faculty Permission Required.
- COSM-171 Hairstyling** 3 cr.
Increases the student's knowledge in advanced styling to include related theory, advanced procedures and practices, long hair techniques, braiding, hair extensions, hair weaving, corn rowing and hairpieces. Offered: Fall and Spring. Faculty Permission Required.
- COSM-181 Haircoloring/Bleaching** 2 cr.
Designed to give the student more detailed information on haircoloring. Offers a review of tinting procedures, related theory, more advanced procedures and practice, and safety. Student learns techniques for bleaching, frosting, special effects and corrective haircoloring. Offered: Fall and Spring. Faculty Permission Required.
- COSM-190 Chemical Restructure/Perms** 4 cr.
This course in chemical restructuring covers hair analysis, client consultation and recommendations, preparation, basic procedures, product knowledge, materials, implements, related chemistry, related theory in anatomy and physiology, record keeping and safety procedures. Offered: Fall and Spring. Faculty Permission Required.
- COSM-195 Salon Business & Retail Sales** 3 cr.
Studies the business aspect of a salon. It includes related theory, opening a salon, business planning, written agreements, regulations, laws, salon operation, policies, practices, personnel, compensation, payroll deductions, telephone techniques, advertising, retail sales, client communications, public relations and insurance. Offered: Fall and Spring. Faculty Permission Required.
- COSM-196 Personal & Community Health** 3 cr.
Designed to focus on various public health issues and personal safety concerning the cosmetology profession. It includes training in blood borne pathogens, MSDS and personal safety awareness. Offered: Fall and Spring. Faculty Permission Required.
- COSM-198 Clinic Practice I** 6 cr.
Practice of all the skills and knowledge learned in related courses. Students, supervised by licensed instructors perform all work. Offered: Fall and Spring. Faculty Permission Required.
- COSM-199 Clinic Practice II** 3 cr.
A continuation of the practice of all the skills and knowledge learned in related courses. Students, supervised by licensed instructors perform all work. Offered: Fall and Spring. Faculty Permission Required.
- COSM-211 Theory III** 3 cr.
Areas of communication, resume writing, state laws, regulations review, job seeking and retention will be covered in this course. Offered: Fall and Spring. Faculty Permission Required.
- COSM-221 Testing & Student Evaluation** 2 cr.
The student instructor will learn how to measure student ability/achievement, diagnose student weaknesses, motivation for study, and oral and written testing. Offered: Fall and Spring. Faculty Permission Required.
- COSM-231 Teaching Methods** 4 cr.
Included in this course is preparation, presentation, testing, lecture, workbook, demonstration and return demonstrations, discussion, question/answer, projects and field trips. Offered: Fall and Spring. Faculty Permission Required.
- COSM-241 Teaching Aids** 2 cr.
In this course, the student instructor will learn the use of film or videos, charts, mannequins, reference materials, overhead projector and transparencies. Offered: Fall and Spring. Faculty Permission Required.
- COSM-250 Instructor Theory** 2 cr.
The class is limited to orientation, state laws and regulations, professional image and conduct, first aid, job seeking ethics, principles of teaching, teacher's maturity and student learning principles. Offered: Fall and Spring. Faculty Permission Required.
- COSM-251 Theory Teaching & Class Management** 8 cr.
Practical experience in the classroom is the core of this course. The following areas are covered: independent classroom instruction, keeping records and making reports, safety measures, classroom conditions and maintenance, class supervision and control, classroom problems and solutions. Offered: Fall and Spring. Faculty Permission Required.

COSM-261 Lab Or Clinic Supervision 8 cr.

The student instructor will learn independent clinic supervision, client communication, client communication/reception desk, inventory control, effective dispensary procedures, supervision of clinic sanitation/client safety and technical skills ability. Offered: Fall and Spring. Faculty Permission Required.

COSM-265 Barber Crossover 1 cr.

Designed for individuals who are licensed as cosmetologists and who wish to become licensed as barbers. This course covers related theory, anatomy, physiology, preparation, procedures and practice products, materials and implements, and beard trimming, shaving, honing and stropping. Offered: Fall and Spring. Faculty Permission Required.

COSM-270 Course Develop & Lesson Plans 4 cr.

Planning, analysis, implementation, outlines, components of an effective lesson plan and principles for preparing lesson plans are included in this course. Offered: Fall and Spring. Faculty Permission Required.

CULTURAL HERITAGE**CUHT-110 State and Local History Research 3 cr.**

This course examines the special methods and tools used in researching state and local history, including oral history; government, church, business, and other organizational records; primary documents; and material culture. Minimum grade required: C. Prerequisites: RDNG-113 Minimum grade required: C. Offered: Fall & Spring.

CUHT-120 Collections Management I 3 cr.

Instruction on managing objects in private and cultural collections, museums, archives, and historic buildings. Topics include proper handling, nomenclature, accessioning, deaccessioning, writing and adhering to collections policy, and ethics. Minimum grade required: C. Corequisites: CUHT-110. Offered: Fall & Spring.

CUHT-130 Interpretation Fundamentals 3 cr.

Examines exhibit and education functions with cultural collections and working with docents, fulfill interpretive responsibilities to specific audiences, and use media applications to interpret material culture. Minimum grade required: "C." Corequisites: CUHT-120. Offered: Fall & Spring.

CUHT-140 Collections Management II 3 cr.

Continuation of Collections Management I. Instruction in managing objects in cultural collections through software and databases, stabilization, storage, and digital documentation. Minimum grade required: "C." Corequisites: CUHT-130. Offered: Fall & Spring.

CUHT-150 Structural Preservation Fundamentals 3 cr.

Students will examine the structural components of historic buildings and archaeological sites, and gain a basic understanding of their preservation challenges. Minimum grade required: C. Corequisites: CUHT-140. Offered: Fall & Spring.

CUHT-200 Internship-Cooperative Education 1 cr.

Students will apply the skills and knowledge gained in previous CUHT courses. This course will be arranged between the student and a program-approved site. The student will submit a portfolio

in completion of course requirements. Minimum grade required: C. Prerequisites: TAKE CUHT-110, CUHT-120, CUHT-130, CUHT-140, and CUHT-150 or BADM-115. Offered: All.

DANCE**DANC-120 Beginning Ballet 2 cr.**

Introduction to basic ballet techniques with an emphasis on barre, center and across the floor movement. Meets Physical Education activity requirements for AA degree. Offered: Fall & Spring.

DANC-130 Beginning Jazz Dance I 2 cr.

An introduction to jazz technique with an emphasis on refining fundamental movements and developing style. Includes all levels of development from beginner to performer. Meets Physical Education activity requirements for AA degree. Offered: Fall & Spring.

DANC-160 Middle Eastern Dance 2 cr.

This course is designed to give students a basic foundation of belly dancing movement and rhythms as well as bringing into focus some of the history and wide variety of dances of the Middle East. In addition it will explore the development of Middle Eastern dance as adopted by dancers in the United States. Offered: Fall & Spring.

DANC-220 Intermediate Ballet 2 cr.

Continuation of beginning ballet at the intermediate level with emphasis on barre, center and across floor movement. Prerequisites: DANC-120 or approval of instructor. Minimum grade required: C. Offered: Fall & Spring.

DANC-230 Intermediate Jazz Dance I 2 cr.

A continuation of DANC 131 with an emphasis on jazz rhythms. May be repeated once. Prerequisites: DANC-131 or approval of instructor. Offered: Fall & Spring.

DANC-261 Intermediate Middle Eastern Dance 2 cr.

This course is a continuation of Middle Eastern Dance and is designed to give students a more advanced foundation for belly dance movement and rhythms as well as bringing into focus some of the history and wide variety of dances in the Middle East. In addition, it will explore the development of Middle Eastern Dance as adopted by dancers in the United States. Prerequisites: DANC-160 or get instructor approval. Offered: Fall & Spring.

DENTAL HYGIENE**DHYG-110 Head/Neck Anatomy 3 cr.**

A study of anatomy and physiology of the head and neck region with an emphasis on the oral cavity. Prerequisites: Admissions into the Dental Hygiene Program. Corequisites: DHYG-112, 113, 114, 115, 217. Offered: Fall.

DHYG-112 Tooth Morphology 1 cr.

The study of the anatomy of human teeth, exfoliation and occlusion. Prerequisites: Admissions into the Dental Hygiene Program. Corequisites: DHYG-110, 113, 114, 115, 217. Offered: Fall.

DHYG-113 Preclinical Dental Seminar 3 cr.

Introductory knowledge, skills and attitudes to function in the clinical setting and be able to continue in clinical dental