

EL DORADO UNION HIGH SCHOOL DISTRICT
Educational Services

New Course of Study Information Page

Course Title: Medical Arts & Science (#280)	
Rationale: Allied Health will teach students health information by providing community involvement through extensive partnerships with health care organizations and/or institutions. This approach will make health issues more relevant as students integrate knowledge with practical application and experience learning associated with allied health occupations. The goal is to expose health career opportunities for students.	
Course Description: This one year Medical Arts & Science course will be taught in two integrated semesters. Each semester contains information with specific content and skills building, however semester II will not require semester I as a prerequisite. Semester I will focus on basic health history, knowledge and facts of the human body, systems of medical care and introductions to health careers. Semester II will focus on health career opportunities, health care systems in America, personal application to health careers, and community service participation.	
Length of Course:	1 Year
Grade Level:	11 or 12
Credit: <input type="checkbox"/> Number of units <u>5 per semester</u> <input type="checkbox"/> Meets graduation requirements <input checked="" type="checkbox"/> Request for UC "a-f" requirements <input type="checkbox"/> College Prep <input checked="" type="checkbox"/> Elective <input type="checkbox"/> Vocational	
Prerequisites:	9th grade Health and Consumer Math
Department(s):	PE/Health
District Sites:	All
Board of Trustees Adoption Date:	January 23, 1996
Textbook(s)/Instructional Materials:	<i>The Language of Medicine</i> ; Chabner, First Edition, 1996
Date Adopted by the Board of Trustees:	June 11, 1996

EL DORADO UNION HIGH SCHOOL DISTRICT

Department: Health/PE

Course Title: Medical Arts & Science - Health Careers - Tech Prep

<p>Course Goals:</p>	<p>Medical Arts & Science - Tech Prep integrates Consumer Life, Physical Education, Science, Computer Science, and Health. Medical Arts & Science - Tech Prep is designed for students in order that they may apply a health knowledge foundation to work skills, as well as personal qualities required for successful job performance. The course will familiarize students with health knowledge, information, interpersonal issues relating to work ethics and standards, as well as initiate direct experience with students to offer systems and technology "know how" within the health care field.</p>
<p>Student Performance Objectives:</p>	<p>Course objectives follow per unit</p>
<p>Instructional Units:</p>	<p>Units listed per semester on the following pages</p>

Medical Arts & Science - HEALTH CAREERS - TECH PREP

TABLE OF CONTENTS

SEMESTER I

<u>UNIT</u>	<u>UNIT TITLE</u>	<u>DAYS/WEEKS</u>
UNIT 1	History of Health Care	7 Days
UNIT 2	Wellness versus Illness	10 Days
UNIT 3	Basic Anatomy and Physiology	8 Days
UNIT 4	First Aid and CPR Training	10 Days
UNIT 5	Medical Terminology	3 Days
UNIT 6	Health Care Careers Exploration	4 Days
UNIT 7	Ethics and Confidentiality	5 Days
UNIT 8	Communication, Methods of Health Care Communication Requirements	12 Days
UNIT 9	Health Care Team	4 Days
UNIT 10	Health Care Delivery Systems and Settings	7 Days
UNIT 11	Body Mechanics	3 Days
UNIT 12	Physical Fitness and Nutrition	7 Days
UNIT 13	Health Math and Epidemiological Statistics	5 Days

Medical Arts & Science - HEALTH CAREERS - TECH PREP

TABLE OF CONTENTS

SEMESTER II

<u>UNIT</u>	<u>UNIT TITLE</u>	<u>DAYS/WEEKS</u>
UNIT 1	Human Development and Behaviors from Prenatal, Perinatal, Infancy to Gerontology (Conception, Life, and Death Continuum)	15 Days
UNIT 2	Clinical Observation	10 Days
UNIT 3	Medical Terminology.	5 Days
UNIT 4	Health Care Management Issues	5 Days
UNIT 5	Career Planning, Community Service Access	15 Days
UNIT 6	Environmental Health Careers, Environmental Laws, Medical Careers.	8 Days
UNIT 7	Health Occupations Students of America (HOSA)	3 Days
UNIT 8	Mentor Program	8 Days
UNIT 9	Community Service Project - Ethics and Confidentiality.	7 Days
UNIT 10	Employment Skills.	10 Days

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SEMESTER I

UNIT # 1: History of Health Care

OBJECTIVES	ACTIVITIES
The student will:	
Apply the historical development of health care information in American in order to understand current practices, procedures, and philosophies.	Lecture, active historical research correlated with current events. Video usage regarding the health care deliver system in America.

UNIT # 2: Wellness versus Illness

OBJECTIVES	ACTIVITIES
The student will:	
Be able to differentiate wellness to illness and correlate good health practices to ones own health status. Emphasis from medical dependancy to disease prevention. (Wellness Approach)	Examine how an HMO promotes wellness versus accurate care facilities. Students will figure the cost of a patient who quits smoking versus the cost of treating a patient for lung cancer.

UNIT # 3: Basic Anatomy and Physiology

OBJECTIVES	ACTIVITIES
The student will:	
Have knowledge and understanding of the basic body function and structure.	Lab. How does the human body function as an integrated system of structures.

UNIT # 4: First Aid and CPR Training

OBJECTIVES	ACTIVITIES
The student will:	
Be certified/re-certified in first aid and CPR in order to operate effectively in appropriately handling an emergency.	Lab. Students will demonstrate effectiveness in determining an emergency, and apply the rationale of appropriate response by performing the necessary First Aid or CPR care.

UNIT # 5: Medical Terminology

OBJECTIVES	ACTIVITIES
The student will:	
Demonstrate appropriate use of basic health care terminology, including word elements and abbreviations.	Students will learn the medical terminology through vocabulary review, testing and application.

UNIT # 6: Health Care Careers Exploration

OBJECTIVES	ACTIVITIES
The student will:	
Be familiar with the career opportunities in the health care field and make career decisions that best fit their aptitudes, interest, abilities, and goals.	Speakers will address students. Students will complete a career assessment form on each presentation.

UNIT # 7: Ethics and Confidentiality

OBJECTIVES	ACTIVITIES
The student will:	
Understand and demonstrate appropriate legal and ethical behavior, and they respect the confidential nature of written verbal information in accordance with legal rights of patients.	Law professor will speak on issues of confidentiality.

UNIT # 8: Communication, Methods of Health Care Communication Requirements

OBJECTIVES	ACTIVITIES
The student will:	
Demonstrate appropriate techniques of communication and understand the need for accurate and concise reporting, including active listening skills, and negotiating skills. Students will demonstrate basic computer skills for retrieving and inputting health data such as: Insurance Forms Medical Data Medical History.	Students will do a mock intake form on a patient, interview, listen, write an assessment, formulate a report, enter the report in a computer, and print a final copy.

UNIT # 9: Health Care Team

OBJECTIVES	ACTIVITIES
The student will:	
Demonstrate the ability to function as a team member while understanding the responsibility and contribution of each team member.	Apply activities of pre-treatment evaluation to patient situation. Define the interdiscipline linkage necessary to provide the best patient outcome or health program outcome.

UNIT #10: Health Care Delivery Systems and Settings

OBJECTIVES	ACTIVITIES
The student will:	
Experience many delivery systems and different settings in which health care is provided.	Students will visit various HMOs, hospitals, clinical situations, and define likes and differences. Students will write up lecture notes on a health care administrator.

UNIT #11: Body Mechanics

<u>OBJECTIVES</u>	<u>ACTIVITIES</u>
The student will:	
Recognize proper body mechanics are necessary to prevent injury to themselves and others.	Students will demonstrate proper lifting techniques with boxes, etc. Students will analyze a sport's movement using kinesiology. Example: running the hurdles.

UNIT #12: Physical Fitness and Nutrition

OBJECTIVES	ACTIVITIES
The student will:	
Be able to identify the components of physical fitness. Students will identify the essential nutritional elements in a balanced diet and analyze the appropriate additions or deletions to balance the nutritional intake.	Students will create a chart showing five components of healthy fitness. Students will create a balanced diet and follow this eating plan for one week.

UNIT #13: Health Math and Epidemiological Statistics

OBJECTIVES	ACTIVITIES
The student will:	
Be knowledgeable of the metric system, military hours, and basic computations and interpretation of health statistics and graphs.	Students will measure liquids by metrics, convert standard time to military time, and graph progress of studies of incidence rates.

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Department: Health/PE
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SEMESTER II

UNIT #1: Human Development and Behaviors from Prenatal, Perinatal, Infancy to Gerontology (Conception, Life, and Death Continuum)

<u>OBJECTIVES</u>	ACTIVITIES
The student will:	
Be aware of growth and developmental stages and recognize the factors that maintain wellness. The effects of illness on individuals and their families are identified including the emotional and psychological needs.	Students will chart biological stages of human growth development and change. Students will observe and identify physical and emotional needs of patients from prenatal stage to gerontology.

UNIT #2: Clinical Observation

OBJECTIVES	ACTIVITIES
The student will:	
Be able to use patient care plans to gather patient information and/or client. Students will also know rules, documentation procedures, and confidentiality issues relating to the data.	Students will hear speakers from professions and formulate journals on activities completed, or procedures rendered. Students will demonstrate understanding of the guest's health occupation by defining role, skill assessment, and activities discussed.

UNIT #3: Medical Terminology

OBJECTIVES	ACTIVITIES
The student will:	
Understand and demonstrate proper use of word elements and abbreviations appropriate to health occupations.	Students will demonstrate, in writing and on audio tape, transmissions of health care communications necessary for proper follow up of clinical care situations or a given health problem they will be required to resolve.

UNIT #4: Health Care Management Issues

OBJECTIVES	ACTIVITIES
The student will:	
Demonstrate basic management skills in performing facility maintenance tasks, billing procedures, appointment techniques, control of office supplies and equipment, and office efficiency and productivity.	Accuracy will be measured as students will be required to follow a procedural plan on a given health care activity. Students will have to note supplies needed, procedures used, safety rules applied, follow up procedures and personnel notified for a case study.

UNIT #5: Career Planning, Community Service Access

OBJECTIVES	ACTIVITIES
The student will:	
Become aware of services in the community and how to access that service. Students will know about the Department of Health requirements for the career they plan.	Students will demonstrate knowledge of California Code of Regulations on health care performance, as well as the Department of Health regulations regarding various health careers.

UNIT #6: Environmental Health Careers, Environmental Laws, Medical Careers

OBJECTIVES	ACTIVITIES
The student will:	
Recognize environmental health hazards and be able to identify careers associated with health issues of community and global proportions.	Students will become familiar with WHO, CAL OSHA, CDC, and Department of Health laws pertaining to community health care careers.

UNIT #7: Health Occupations Students of America (HOSA)

OBJECTIVES	ACTIVITIES
The student will:	
Be familiar with professional career organizations which serve as a provider of update information.	Students will write professional organizations requesting information on program objectives, membership requirements, and listings of professional benefits.

UNIT #8: Mentor Program

OBJECTIVES	ACTIVITIES
The student will:	
Experience real life medical situations. NOTE: Shadowing professionals in the health field. Visitations to hospitals and clinics.	Students will develop a portfolio of two career paths they would like to take, interview those professionals, and report in class. Formal presentation.

UNIT #9: Community Service Project - Ethics and Confidentiality

OBJECTIVES	ACTIVITIES
The student will: Experience direct participation as an intern member of a health care team and understand their role and responsibility regarding patient confidentiality.	Students will write a term paper on the ethical issues and laws relating to confidentiality.

UNIT #10: Employment Skills

OBJECTIVES	ACTIVITIES
The student will: Acquire necessary job-seeking skills for securing employment in the health care career field.	Students will demonstrate in writing how to write a resume, demonstrate knowledge by cognitive test on employment seeking skills as required in a job interview.

COURSE TITLE: Medical Arts & Science - HEALTH CAREERS - TECH PREP

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