

EL CAMINO COLLEGE COURSE OUTLINE OF RECORD

I. COURSE DESCRIPTION

Course Title and Number : Nursing 124

Descriptive Title : Basic Concepts of Nursing Pharmacology

Discipline : Nursing

Division : Health Sciences and Athletics

Course Length : Full Term
 Other (specify:)

Hours Lecture : 18

Hours Laboratory : 0

Course Units : 1

Grading Method : Letter
 Credit/No Credit
 Both
 No Grade

Course Type : Credit, Degree Applicable
 Credit, Not Degree Applicable
 Non-Credit

Transfer CSU : Yes (Effective Date:)
 No

Transfer UC : Yes (Approval Date:)
 Pending
 No

Conditions of Enrollment: Specify Prerequisite, Corequisite, Recommended Preparation, Enrollment Limitation, or None.

Recommended Preparation: Eligibility for Math 40 Elementary Algebra

Catalog Description :

This course provides instruction in the basic concepts and principles of pharmacology for beginning nurses. Mastery of scientific notation, the metric system, and drug dosage calculations are required to successfully complete the course. Required prior to enrollment in the Vocational Nursing Program.

II. COURSE OBJECTIVES

List the major objectives of the course. These must be stated in behaviorally measurable terms.

1. Analyze the ways in which federal and state regulations and regulatory agencies affect nursing practice regarding the administration of medications.
2. Compare and contrast credible versus unreliable sources of information regarding medications, over-the-counter drugs, and "nutritional supplements".
3. Describe and analyze the clinical relevance of the concepts of pharmacodynamics and pharmacokinetics.
4. Compare and contrast the desired therapeutic action of drugs with the various undesirable actions.
5. Identify the standard nursing responsibilities regarding the administration of any medication affecting a given body system.
6. Identify elements of the metric system and analyze the relationship between the measures of length, weight, and volume.
7. Identify and consistently use scientific notation currently approved by The Joint Commission on Accreditation of Healthcare Organizations
8. Calculate conversions within the metric system and from selected household and apothecary units of measure to metric units of measure,
9. Demonstrate accurate use a formula method of calculating correct dosages for oral and parenteral (intramuscular or subcutaneous) medications.

III. OUTLINE OF SUBJECT MATTER

The topics should be detailed enough to enable an instructor to determine the major areas that should be covered and so that the course may have consistency from instructor to instructor and semester to semester.

Approximate Time in Hours	Major Topics
1	Orientation to the course Federal Regulation: Food and Drug Administration and the Drug Enforcement Agency a. Approval process b. Categories of drugs: generic versus brand name, controlled substances; prescription, over-the-counter, herbal products, "nutritional supplements"
1	Sources of information regarding drugs a. Reliable sources b. Unreliable sources c. Recommendations for safety in use of any drug
3	Pharmacodynamics a. Drug actions b. Cell membrane receptor theory c. Drug enzyme interaction d. Change in pH of body fluid Pharmacokinetics a. Absorption, route of administration, first-pass effect, onset b. Distribution, protein binding, blood-brain barrier c. Biotransformation/metabolism d. Excretion e. Half-life
1	Factors influencing drug action a. Patient characteristics b. Drug-drug interactions c. Drug-food interactions
1	Adverse drug reactions a. Known "side-effects" b. Idiosyncratic and rare reactions c. Allergic response: anaphylaxis, delayed allergic reaction, serum sickness
2	Standard nursing responsibilities for administration of medications a. Process of physician order of drug, pharmacist provision of drug, and licensed nurse administration of drug. b. Nurses' Six Rights of Medication Administration

c. Specific data collection prior to and after administration of drugs for each body system: cardiovascular, respiratory, gastrointestinal, metabolic/ diabetes, integumentary/wound; renal and electrolytes

- 1 Measurements used in health care
 - a. Systeme Internationale (SI)/metric system
 - b. Selected household and apothecary units of measures, milliequivalents, and units
 - c. Reading medication labels and syringe markings
 - d. Rules of scientific notation
 - e. Notation rules of the Patient Safety Standards of the Joint Commission on Accreditation of Health Care Organizations (www.jointcommission.org)

- 8 Department rules regarding knowledge of conversions, rounding, and scientific notation
Formula method of calculating drug dosages
 - a. Oral tablets
 - b. Liquid medications by oral or parenteral route

18 TOTAL HOURS

IV. METHODS OF EVALUATION**A. CREDIT, DEGREE APPLICABLE AND CREDIT, NOT DEGREE APPLICABLE COURSES**

Check the PRIMARY method of evaluation for this course.

- Substantial writing assignments
- Problem solving demonstrations (computational or non-computational)
- Skill demonstrations

A minimum of one response in 1, 2, or 3 below, as applicable, is required. However, you may check all that apply.

1. Indicate the types of writing assignments used as primary or secondary methods of evaluation for this course.

- Essay exams
- Written homework
- Term or other papers
- Reading reports
- Laboratory reports
- Other (specify)

2. Indicate the types of problem-solving demonstrations used as primary or secondary methods of evaluation for this course.

- Exams
- Laboratory reports
- Quizzes
- Homework problems
- Fieldwork
- Other (specify)

3. Indicate the types of skill demonstrations used as primary or secondary methods of evaluation for this course.

- Class performance
- Performance exams
- Fieldwork
- Other (specify)

4. If objective exams are also used, check all that apply.

- Multiple choice
- Completion
- Matching items
- True/false
- Other (specify)

B. NON-CREDIT COURSE

Indicate the methods of evaluation that will be used to determine that the stated objectives have been met.

V. COURSEWORK**A. TYPICAL ASSIGNMENT**

Provide an example of a typical assignment. This assignment must correspond to the PRIMARY method of evaluation indicated in Section IV, Methods of Evaluation. That is, it must be a writing assignment or, if more appropriate, an assignment involving problem solving or skill demonstration.

Problem Solving Demonstration: Computational

Given a nursing department approved dosage calculations test, successfully set up and solve algebraic equations to arrive at the correct dose. Write all answers using correct scientific and department-approved notation. Accuracy must be _____% in order to earn a C or better in the course.

B. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS

Cite two specific assignments that demonstrate college-level critical thinking. (Required for degree applicable courses only.)

1. Prepare written material describing the common drug side effects related to each body system. Analyze the probable etiology of each symptom and hypothesize nursing actions to relieve the uncomfortable symptoms
2. Prepare written material identifying the specific parameters of the half-life of a drug with a narrow therapeutic window (Example: digoxin, lithium) or need for minimum concentration (Example: vancomycin) Analyze how the various half-life parameters relate to the pharmaceutical action of the selected drug.

C. WORK OUTSIDE OF CLASS

Two hours of work outside of class are required for each hour of lecture or equivalent. Each student in this course will be required to participate in the following work outside of class time. Check all that apply.

- Study
- Answer questions
- Skill practice
- Required reading
- Problem solving activity
- Written work (such as essay/composition/report/analysis/research)
- Journal (done on a continuing basis throughout the semester)
- Observation of or participation in an activity related to course content (such as theatre event, museum, concert, debate, meeting)
- Course is lab only - minimum required hours satisfied by scheduled lab time
- Other (specify)

VI. INSTRUCTIONAL METHODOLOGY

Check all planned instructional activities that apply:

- Lecture
- Lab
- Discussion
- Multimedia presentations
- Demonstration
- Group activities
- Role play/simulation
- Guest speakers
- Field trips
- Other (specify)

NOTE: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instructional delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VII. TEXTS AND MATERIALS

If multiple selection is offered, only representative texts need be listed. An up-to-date list of required and recommended materials is maintained in the division office.

A. REQUIRED TEXTS (title, author, publisher, year)

Deglin, J. & Vallerand, A. (2007) Davis's drug guide for nurses (10th ed.).
Philadelphia, PA: FA Davis

Karch, A. (2008) Focus on pharmacology (4th ed.). Philadelphia, PA: Lippincott
Williams & Wilkins

Pickar, G. & Abernathy, A. (2008) Dosage calculations (8th ed.). Clifton Park, NY:
Delmar Cengage Learning

B. REQUIRED SUPPLEMENTARY READINGS**C. OTHER REQUIRED MATERIALS**

Faculty. Nursing 124 Course Study Guide

VIII. CONDITIONS OF ENROLLMENT

If this course has a prerequisite or corequisite, complete section A. If this course has an Enrollment Limitation, complete section B.

A. PREREQUISITE AND/OR COREQUISITE

1. Indicate if this course has a prerequisite, corequisite, both, or none.

- Prerequisite
 Corequisite

2. Indicate Type. Check all that apply.

- Sequential
 Computational/Communication Skills
 Health and Safety
 Non-Course
 Standard (If this is a Standard Prerequisite or Corequisite, attach CCC Form D.)

3. Entrance Skills/Knowledge

List the required skills and/or knowledge without which a student would be highly unlikely to receive a grade of A, B, C, or Credit (or for Health and Safety, would endanger self or others) in this course.

B. ENROLLMENT LIMITATION

1. Indicate the category which describes the Enrollment Limitation for this course.

- Band/Orchestra
 Theater
 Speech
 Chorus
 Journalism
 Dance
 Intercollegiate Athletics
 Honors Course
 Blocks of Courses
 Other (specify)

2. List Degree and/or Certificate requirements that are met by this course.

Field of Concentration: Vocational Nursing

3. List all El Camino College courses that also satisfy the requirements listed above in section B.2.

Originator: Mary Cavalier

Submittal
Date: 3/5/2008

BOARD APPROVAL DATE:

Reviewed and/or Revised by:

Date:

Date:

Date:

EL CAMINO COLLEGE COURSE OUTLINE OF RECORD

I. COURSE DESCRIPTION

Course Title and Number : Child Development 3

Descriptive Title : Child Development

Discipline : Early Childhood Education/Child Development

Division : Behavioral and Social Sciences

Course Length : Full Term
 Other (specify:)

Hours Lecture : 3

Hours Laboratory : 0

Laboratory :

Course Units : 3

Grading Method : Letter
 Credit/No Credit
 Both
 No Grade

Course Type : Credit, Degree Applicable
 Credit, Not Degree Applicable
 Non-Credit

Transfer CSU : Yes (Effective Date: Prior to July, 1992)
 No

Transfer UC : Yes (Approval Date: Prior to July, 1992)
 Pending
 No

Conditions of Enrollment: Specify Prerequisite, Corequisite, Recommended Preparation, Enrollment Limitation, or None.

Recommended Preparation: eligibility for English 1A

Catalog Description :

This course is an introduction to child development from conception through adolescence with emphasis on physical, cognitive and psychosocial growth. The effect of environmental and cultural influences on development will be investigated. Developmental theories will be analyzed and tested through practical applications such as child observations and interviews.

Note: This is a core course for all teachers and assistants in programs for young children regulated by the California State Department of Education.

II. COURSE OBJECTIVES

List the major objectives of the course. These must be stated in behaviorally measurable terms.

1. Identify major principles of governing development.
2. Define developmental theory and explain how theories are used to understand child behavior and development.
3. Compare and contrast theories of child development (i.e. Piaget, Vygotsky, Freud, Erikson).
4. Define various methods of observation and utilize these methods to collect data.
5. Analyze and interpret data collected through observations and interviews.
6. Analyze the effect of environmental and cultural influences on development.
7. Interpret the contributions and major criticisms of the major developmental domains of development.
8. Analyze the interdependence of the cognitive, psychosocial and psychomotor domains of development.
9. Evaluate the effectiveness of theories as they can be utilized for practical applications in parenting and teaching.

III. OUTLINE OF SUBJECT MATTER

The topics should be detailed enough to enable an instructor to determine the major areas that should be covered and so that the course may have consistency from instructor to instructor and semester to semester.

Approximate Time in Hours	Major Topics
3	Introduction to Course A. Course Overview B. Required Assignmenttrrs C. Define Child Development
3	Overview of Developmental Theories
6	Prenatal Development A. Genetic inheritance B. Environmental influences (teratogens, medications, drugs) C. Genetic Counseling
6	Birth A. Methods of birth B. Stages of labor C. Parent and family involvement D. Complications of birth E. Variations, problems and solutions
9	Infant and Toddler Develomental Stages A. Physical growth, brain maturation B. Cognitive development C. Psychosocial development D. Psychomotor development E. Cultural and environmental influences (child abuse, gender roles, and stereortypes)
9	Early Childhood Development A. Physical growth B. Cognitive development C. Psychosocial development D. Psychomotor development E. Cultural and environmental influences
9	Middle Childhood Development A. Physical growth B. Cognitive development C. Psychosocial development D. Psychomotor development E. Cultural and environmental influences

- 9 Adolescent Development
 - A. Physical growth
 - B. Cognitive development
 - C. Psychosocial development
 - E. Cultural and environmental influences



54 TOTAL HOURS

IV. METHODS OF EVALUATION

A. CREDIT, DEGREE APPLICABLE AND CREDIT, NOT DEGREE APPLICABLE COURSES

Check the PRIMARY method of evaluation for this course.

- Substantial writing assignments
- Problem solving demonstrations (computational or non-computational)
- Skill demonstrations

A minimum of one response in 1, 2, or 3 below, as applicable, is required. However, you may check all that apply.

1. Indicate the types of writing assignments used as primary or secondary methods of evaluation for this course.

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4. If objective exams are also used, check all that apply.

- Multiple choice
- Completion
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- Other (specify)

B. NON-CREDIT COURSE

Indicate the methods of evaluation that will be used to determine that the stated objectives have been met.

V. COURSEWORK

A. TYPICAL ASSIGNMENT

Provide an example of a typical assignment. This assignment must correspond to the PRIMARY method of evaluation indicated in Section IV, Methods of Evaluation. That is, it must be a writing assignment or, if more appropriate, an assignment involving problem solving or skill demonstration.

1. Collect data through a naturalistic observation of an infant or toddler and parent interview. Write an analysis of the child's sensorimotor intelligence based on Piaget's theory. Support your conclusions with specific examples from the observation and parent interview.
2. Collect data on a school-age child through an in depth interview, a naturalistic observation, Piagetian conservation tasks, and sample drawings. Analyze the data to determine the child's stage of cognitive development based on Piaget's theory. Write a summary and support your conclusions with specific examples from the data collected.

B. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS

Cite two specific assignments that demonstrate college-level critical thinking. (Required for degree applicable courses only.)

1. Using Erikson's theory of psychosocial development, write an autobiography which interprets each stage of personality development as it relates to personal development. State specific examples of life experiences, including social and cultural influences which correlate with each stage. Include a summary of Erikson's stages in the essay.
2. Read a book such as "I Know Why the Caged Bird Sings" or "Angela's Ashes." Write an essay which examines how culture and other environmental factors influenced and shaped the main character's behavior and development.

C. WORK OUTSIDE OF CLASS

Two hours of work outside of class are required for each hour of lecture or equivalent. Each student in this course will be required to participate in the following work outside of class time. Check all that apply.

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- Answer questions
- Skill practice
- Required reading
- Problem solving activity
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VII. TEXTS AND MATERIALS

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A. REQUIRED TEXTS (title, author, publisher, year)

The Developing Person Through Childhood and Adolescence, Kathleen Stassen Berger and Ross A. Thompson, Worth Publishers, 2002.

B. REQUIRED SUPPLEMENTARY READINGS

Professional journal articles
Books from a book list.

C. OTHER REQUIRED MATERIALS

VIII. CONDITIONS OF ENROLLMENT

If this course has a prerequisite or corequisite, complete section A. If this course has an Enrollment Limitation, complete section B.

A. PREREQUISITE AND/OR COREQUISITE

1. Indicate if this course has a prerequisite, corequisite, both, or none.

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 Corequisite

2. Indicate Type. Check all that apply.

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 Health and Safety
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1. Indicate the category which describes the Enrollment Limitation for this course.

- Band/Orchestra
 Theater
 Speech
 Chorus
 Journalism
 Dance
 Intercollegiate Athletics
 Honors Course
 Blocks of Courses
 Other (specify)

2. List Degree and/or Certificate requirements that are met by this course.

3. List all El Camino College courses that also satisfy the requirements listed above in section B.2.

Originator: Ann Husmann, Ed.D

Submittal Date: Fall, 1987

BOARD APPROVAL DATE:

Reviewed and/or Revised by:

Antoinette Phillipps

Date: Fall, 1998

Janet Young

Date: Fall, 2002

Date:

Audrey Ching - RE: Today's CurricuWare Meeting

From: "Young, Janet"
To: "Audrey Ching"
Date: 3/7/08 8:27 AM
Subject: RE: Today's CurricuWare Meeting

[Home](#) > [Academic Divisions](#) > [College Curriculum Committee](#)

COURSE OUTLINES

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A

Academic Strategies ▾	Administration of Justice ▾	Air Conditioning and Refrigeration ▾
American Studies ▾	Anatomy ▾	Anthropology ▾
Architecture ▾	Art ▾	Astronomy ▾
Automotive Collision Repair/Painting ▾	Automotive Technology ▾	

B

Biology ▾	Business ▾
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C

Chemistry ▾	Child Development ▾	Chinese ▾
Communications ▾	Computer Aided Design/Drafting ▾	Computer Information Systems ▾
Computer Science ▾	Contemporary Health ▾	Cosmetology ▾
Culinary Arts /Painting ▾		

D

Dance ▾

E

Economics ▾	Education ▾	Educational Development ▾
Electronics and Computer Hardware Technology ▾	Engineering ▾	Engineering Technology ▾
English ▾	English as a Second Language ▾	Environmental Technology ▾
Ethnic Studies ▾		

F

Family and Consumer Studies ▾

Fashion ▾

Film/Video ▾

Fire and Emergency Technology ▾

First Aid ▾

French ▾

G

Geography ▾

Geology ▾

German ▾

H

History ▾

History of Science ▾

Horticulture ▾

Human Development ▾

Humanities ▾

I

Industry and Technology ▾

Interior Design ▾

Italian ▾

J

Japanese ▾

Journalism ▾

L

Law ▾

Library Information Science ▾

M

Machine Tool Technology ▾

Manufacturing Technology ▾

Mathematics ▾

Medical Terminology ▾

Microbiology ▾

Music ▾

N

Nursing ▾

Nutrition and Foods ▾

O

Oceanography ▾

P

Paralegal Studies ▾

Physical Education ▾

Physiology ▾

Philosophy ▾

Physical Science ▾

Political Science ▾

Photography ▾

Physics ▾

Psychology ▾

Q

Quality Assurance ▾

R

Radiologic Technology ▾

Respiratory Care ▾

Real Estate ▾

Recreation ▾

S

Sign Language/Interpreter Training ▾

Speech Communication ▾

Sociology ▾

Supervision ▾

Spanish ▾

Surgical Technology ▾

T

Technical Mathematics ▾

Theatre ▾

Tutor Training ▾

W

Welding ▾

Women's Studies ▾

16007 C

Janet Young
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From: Audrey Ching [mailto:AChing@clpccd.org]

Sent: Fri 3/7/2008 8:13 AM

To: Young, Janet

Subject: Re: Today's CurricuWare Meeting

Good Morning, Thxs---I'm setting up PCs in my office and will give you a call in a few minutes

>>> "Young, Janet" <jyoung@elcamino.edu> 3/7/2008 8:02 AM >>>