



PROPOSED EFFECTIVE TERM: Summer 2020

SECTION 1 - COVER SHEET

COURSE CURRICULUM TYPE: Noncredit

SUBMITTED BY: Donna Necke

APPROVED FOR DISTANCE EDUCATION: No

COURSE CONTENT DUPLICATION OR OVERLAP: No

Note: Consultation with the faculty, department(s) and dean(s) where the overlap occurs is required and documentation of the consultation should be attached to course proposal prior to the proposal being submitted to the Curriculum Office (Stage 4).

SECTION 2 - Course Identification

COURSE ID: BS HCM1

COURSE TITLE (FULL): Transitional Math for Health Careers 1

COURSE TITLE (SHORT): Math for Health Careers 1

COURSE DIVISION: Continuing Education Division

COURSE DEPARTMENT: Adult Basic Education

COURSE SUBJECT: Basic Skills

DISCIPLINE:

TAXONOMY OF PROGRAMS (TOP) CODE: 493060 Adult Basic Education (Grades 1-8)

CROSS LISTED COURSE:

SECTION 3 - Course Attributes

CREDIT STATUS: N – Noncredit

TRANSFER STATUS: C Not Transferable

COURSE BASIC SKILLS STATUS: Not a Basic Skills Course

STUDENT ACCOUNTABILITY MODEL (SAM) CODE: E - Non-Occupational

COURSE CLASSIFICATION STATUS: K Other Noncredit Enhanced Funding

COURSE PRIOR TRANSFER LEVEL: Y - Not Applicable

NONCREDIT CATEGORY: C - Elementary and Secondary Basic Skills



FUNDING AGENCY CATEGORY: Not Applicable

COURSE PROGRAM STATUS: 1 - Program Applicable

REPEATABILITY: Noncredit Repeatable

GRADING METHOD: Pass or No Pass

CREDIT BY EXAM: Not Allowed

COURSE VARIATION:

WORK EXPERIENCE:

SPORTS/PHYSICAL EDUCATION COURSE: No

PREREQUISITES, CO-REQUISITES OR ADVISORY FOR ENROLLMENT (ENTRY STANDARDS)

- None
- Adding prerequisites, corequisites or advisories
- Maintaining prerequisites, corequisites or advisories
- Removing prerequisites, corequisites or advisories

Non Standard Requisite



Section 4 - Course Workload Values

	Lecture	Laboratory	Activity	Total
Minimum Contact Hours	4			4
Maximum Contact Hours	288			288
Minimum Out of Class Hours	8			8
Maximum Out of Class Hours	576			576
Total Minimum Student Learning Hours				
Total Maximum Student Learning Hours				

Unit Value	Lecture	Laboratory	Activity	Total
Minimum Units				
Maximum Units				

Minimum To Be Arranged (TBA) Hours				
Maximum To Be Arranged (TBA) Hours				
Scheduled Hours				

Work Experience Hours	Paid	Unpaid
Minimum Hours		
Maximum Hours		
Minimum Units		
Maximum Units		

Lab/Lecture Parity : No

- Yes, Parity Approved
- Not Requesting Parity
- Applying for Parity

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Lecture and Laboratory
- Distance Learning
- Open Entry/Exit



**COURSE OUTLINE: BS HCM1
6/28/2022**

- Independent Studies
- Work Experience
- Other To Be Arranged (TBA)

Class Size : 0

Course General Education Status :

Course Support Course Status :

Section 5 - Course Certifications



CSU GENERAL EDUCATION AREA

INTERSEGMENTAL GENERAL EDUCATION TRANSFER (IGETC) AREA

ASSOCIATE DEGREE GRADUATION REQUIREMENTS

Requisites			
Type	Course Name	& / Or	Is Being

Preconditions of Enrollment Justification Notes/Comments:

Section 6 - Course Outline with Information

CATALOG DESCRIPTION

Contextualized basic math to prepare for successful transition to health career programs including numeracy, fractions, decimals, unit conversion, ratios, and proportions to apply to dimensional analysis.

SCHEDULE DESCRIPTION

Math for health careers including numeracy, fractions, decimals, unit conversion, ratio, and proportion for dimensional analysis

MEASURABLE OBJECTIVES



1. Improve speed and accuracy in calculations using all number systems.
2. Apply place value within the metric system for dosage measurements.
3. Apply and extend previous understanding of operations with fractions and decimals to add, subtract, multiply, and divide rational numbers in preparation for calculations in the health field.
4. Apply ratio concepts and reasoning to solve problems involving dosage calculations.
5. Use proportional relationships to solve multi-step ratio word problems as a foundation for dimensional analysis.
6. Convert unit measurements.
7. Calculate simple dosages using dimensional analysis.

LECTURE TOPICAL OUTLINE

Calculations using all number systems

Measurement

Place value

Fractions

Decimals

Ratios and proportional relationships

LAB TOPICAL OUTLINE

METHODS OF EVALUATION

Category 1. Substantial written assignments for this course include:

If the course is degree applicable, substantial written assignments in this course are inappropriate because:

This course is skills and competency based. Written assignments are not applicable.

Category 2. Computational or non-computational problems solving demonstrations

Practice sets using fractions, decimals, percents, ratios, and proportions to assist in computing dosages

Practice sets on conversion of measurement systems

Category 3. Skills Demonstrations

Category 4. Objective examinations

Quizzes to calculate dosages using mathematical operations

Cumulative math basic skills assessment

SAMPLE ASSIGNMENTS

(Assignments should be directly related to the objectives of the course. They should be specific enough to provide real guidance to faculty and clear expectations for students. Descriptions of the type or examples of assignments are required. For example, rather than "term paper" state "term paper comparing and contrasting the social aspects of hunting tactics of two mammal species." This section must establish that the work is demanding enough in rigor and independence to fulfill the credit level specified. The nature of the assignments must clearly demand critical thinking. Assignments should be adequate to assure that students who successfully complete them can meet the objectives of the course. Appropriate out-of-class work is required for credit courses.)



1. Complete Post Test 2 on pages 66-68 in "Calculation of Drug Dosages." You will practice decimal operations that will help solve dosage problems. Please turn into instructor for grading.
2. Complete page 135 in "Calculation of Drug Dosages." You will change equivalents within the metric system that will help solve dosage problems. You should work with a partner and check your answers with your peers.
3. Complete the worksheet on conversions. You will convert household measurements into the approximate metric equivalent. Review your answers with a peer. Submit to instructor for grading.

TEXTBOOKS

Title	Publisher	Edition	Author	Date	Online Education Resource
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If substantial assignments then justification of older textbooks