

Articulation Agreement

Fall 2014/Spring 2015

University of Alaska Fairbanks

Kuskokwim Campus

Box 368

Bethel, AK 99559

Lower Yukon School District

Box 32089

Mt. Village, AK 99632

PURPOSE

In addition to the current General Tech Prep Agreement between the University of Alaska Fairbanks (UAF) Kuskokwim Campus and the Lower Yukon School District (LYSD), we have agreed to the following processes and criteria with respect to the Allied Health Program.

1. LYSD will follow UAF Allied Health based curriculum in coordination with the Administration and Faculty of the University of Alaska Fairbanks-Kuskokwim Campus pertaining to the course below:

Allied Health

UAF course #	UAF Course Title	UAF Credit	LYSD Course Title
HLTH 116	Math Health Care	3	Math Health Care

UAF will teach for the attached outcome:

1. The attached syllabus will be followed.
2. LYSD will provide necessary support for students to be successful in this course which may include computer support, reference books, and academic assistance.
3. Kuskokwim Campus will process the registrations.
4. In order to receive concurrent credit, the student will register for the Tech Prep class during the semester in which the competencies will be completed.

APPROVALS:

Mary Pete, Director

Kuskokwim Campus

University of Alaska Fairbanks

Mary Pete 5/23/14

Alex Russin, Superintendent

Lower Yukon School District

Alex Russin 5-23-14

Shawn Russell, Assistant Professor of Allied Health

University of Alaska Fairbanks, CRCD

Shawn Russell

Pete Pinney, Acting Vice Chancellor & Executive Dean

University of Alaska Fairbanks

Pete Pinney 5/28/14

Dr. Susan Henrichs, Provost

University of Alaska Fairbanks

Susan Henrichs 6-1-14

**SYLLABUS
HLTH 116
Fall 2014
Mathematics for Health Care
A 3 credit course**

Instructor:

Richard Spencer

Email: rspencer@kuspuk.org

Telephone : 907.471.2288 daytime

Telephone : 907.471.2314 evenings

Office Hours:

Available daily telephone or online by appointment.

Required Materials:

1) *Math Basics for the Healthcare Professional –Fourth edition*

By Michele Benjamin Lesmeister

Published by Pearson Education

ISBN 0-13-113372-01

2) Laptop or computer and access to the internet.

****Please read all posts on the website. I do not write a post unless it is important!!!!**

This course is set up so you can do your assignments with the text open and watching the videos, pausing or re-winding as necessary.

Grading: Assignments are 100 points each for a total of 1400 points. The mid-term is worth 250 points and the final is worth 500 points. In addition, you are expected to post weekly to the discussion board, at least one original post and one reply. (Think of it as UA's Facebook.) Participation in the bulletin board is worth 350 points. Grade will be calculated out of 2500 points as follows:

Individual assignment and overall course grades are based on the following criteria:

Grade Definition

A =

100% - 90%

An honor grade. Demonstrates originality, independence, a thorough mastery of the

Subject. Demonstrates a deep understanding.

B =

89% - 80%

Better than the average. Above the average expectation. Assignments, tests, and posts address the material thoroughly but do not have the depth and originality for an 'A'.

C =

79% - 70%

Average. The student grasps the essential information; material is complete and presented on time.

D =

69% - 60%

Below average. Student misses significant aspects of the assignments and tests. Material is not turned in on time or student does not fully participate in discussions.

F =

below 59 %

Student was unable to complete the course on time with at least a 60% understanding of the material.

The course is designed to reflect the math skills necessary to enter the health profession. If you have any questions, be sure to email me or post your question on the bulletin board. I usually respond to emails in less than 24 hours.

"It is not enough to do your best; you must know what to do, and then do your best."
-W. Edwards Deming

Course Description:

This course provides a practical application of mathematics in health care including arithmetic review, decimals, fractions, percent, interest, ratio, proportion, and metric measurement, and mathematical applications in medicine including measurement instruments, graphs, charts, and medications.
(Prerequisites: DEVM 050 or placement in DEVM 060 or higher)

SPECIAL REQUIREMENTS: Internet, Windows, MAC or Unix with 64 MB RAM & Sound card with working computer speakers Microsoft Office Suite of Software, (Word, Excel) installed; software from the Internet may need to be downloaded. Computers found in labs and many offices often have the above abilities.

Course Goals and Student Learning Outcomes:

On completion of this course, the student will be able to:

Add, subtract, multiply and divide whole numbers, fractions and decimals.

Recognize and correctly use fraction and decimal equivalents.

Perform combined operations.

Understand percentages, express percentages as equivalent decimals and fractions.

Understand and apply interest and discounts.
Utilize averages and estimates.
Identify and differentiate meters, liters and grams.
Convert, within the metric system, using larger and smaller units.
Convert English measurements to metric and metric to English measurements.
Convert temperature reading between Celsius and Fahrenheit.
Read and express Roman numerals.
Express ratios as equivalent fractions, decimals and percents.
Prove the equality of a proportion using means and extremes or cross multiplication.
Determine the unknown term in a proportion.
Read and express body measurements.
Read and annotate using height/weight measurement graphs.
Calculate oral and parenteral dosages.
Calculate dosages by weight.
Calculate pediatric dosages. Calculate intravenous flow rates and infusion times.
Understand solution strength stated as a percent. Calculate quantities to prepare diluted solutions.

Course Policies

Instructional Methods:

Health 116 is delivered via Blackboard resources (announcements, quizzes, course and assignment calendar, online discussion notes, online syllabus, etc.). Therefore, you must possess basic computer skills and have access to a computer with internet connection.

Before the first class session you will be required to:

1. Establish your UA Online account (www.uaonline.alaska.edu)
2. Establish your UAF email account (<http://webmail.alaska.edu>)
3. Connect to the Health 116 Blackboard Site (classes.uaf.edu)

For technical assistance contact the:

Office of Information Technology at 1-800-478-8226,
visit <http://www.alaska.edu/oit/index.xml>,
or email the OIT a helpdesk@alaska.edu.

They can provide technical assistance with Blackboard, email, UA Online and My UA.

This course is taught primarily online using Blackboard.. Students will take part in weekly learning activities with other students in discussion forums and structured exercises and alone through individual assignments. Each week the class will cover one unit.
Directions for completing homework assignments are available on the class Blackboard site.

Homework assignments are due by midnight every Friday. Homework will be available every week by Monday morning.

Student Evaluation and Grading:

Grading and student expectations are based on policies found in the current UAF catalog. In this course, there are many assignments. While this may sound rather daunting, it is important to remember that education and practice are necessary for learning. These assignments and quizzes are open-book and offer you the opportunity to practice using the skills that you will need in the Health Care workplace. It is also important to remember that distance courses typically involve less classroom time and more independent study time than traditional face-to-face classes. For this reason, it is important to note that you must commit several hours of time to this class each week in addition to the time spent watching online class sessions. Reading assignments and Blackboard assignments are to be completed **independently**, and are worth 60% of your grade.

The mid-term and final exam must be supervised by a qualified proctor. It is the student's responsibility to identify a qualified proctor and to provide them with the Proctor Eligibility and Responsibilities form and Proctor Agreement Form which I will provide later in the semester. It is also the student's responsibility to maintain contact with the proctor and to notify your instructor immediately if you should discover that your designated proctor is no longer available.

Students are subject to the Student Code of Conduct. It is each student's responsibility to become familiar with this Code of Conduct, which can be found at www.uaf.edu or in the student handbook. The university may initiate disciplinary action against any student found responsible for committing, attempting to commit, or assisting in the commission of any of the prohibited forms of conduct outlined in the Student Code of Conduct. Academic dishonesty (i.e., cheating, plagiarism, collaboration on assignments, etc.) and disruptive actions will not be tolerated and will be reviewed in accordance with procedures specified in Regent's policy, university regulations, and university policies and procedures.

Attendance:

If you are required to participate in (a) military, (b) UAF-sponsored activities, or (c) documentable and necessary participation in cultural activities, (d) documentable illness that will cause you to miss an assignment deadline, you must notify me as soon as possible. You must notify me of all scheduled UAF-required absences for the semester (e.g. Travel to athletic events) during the first week of classes.

Plagiarism/Academic Integrity:

Plagiarism and cheating are serious offenses and may result in failure on exams, papers, projects, or courses. The entire purpose of participation in this

class is to acquire useful skills through learning. To cheat is to lose the opportunity to learn these skills.

Honesty is a primary responsibility of you and every other UAF student. The following are common guidelines regarding academic integrity:

1. Students will not collaborate on the mid-term or the final. No materials may be used to assist in examinations without specific permission.
2. Students will not represent the work of others as their own. A student will attribute the source of information not original with himself or herself (direct quotes or paraphrases) in all assigned work. No work submitted for one course may be submitted for credit in another course without the explicit approval of both instructors.

"No Basis"

In some circumstances your instructor may elect to assign a No Basis ("NB") registration status. NB registration status means that there is no basis for assigning a grade and the student did not initiate withdrawal paperwork. Instructors may award an "NB" if there is insufficient student progress and/or attendance for evaluation to occur. No credit is given, nor is the "NB" calculated in the GPA. It cannot be removed by later completing the outstanding work.

Student Responsibility:

As students, you must accept the responsibility of ensuring your own success. It is your responsibility to know what you need to do and when you need to do it. This requires a great deal of initiative on your part. Always ask if you don't know what is expected of you. Never wait for someone to tell you. "I didn't know," and "no one told me," are not acceptable reasons for failure to fulfill your student obligations. I am here to help and support students who take the initiative to help themselves.

Assignments:

Assignments are due by midnight every Saturday. One complete unit is due each week.

Quality Issues:

Accuracy in spelling is extremely important when documenting health care encounters. Proper grammar and spelling are also integral parts of professionalism. To reinforce attention to proper spelling and grammar, points will be deducted from assignments containing spelling and grammatical errors. Students are expected to check their work for accuracy before submitting it. Always use a spellchecker. When participating in assignments in Blackboard, you will need to be your own spellchecker. Your work must show that you understand the lectures, assigned readings, and other materials. Please note that **the mid-term and final** must be completed the first time you access them. In other words, you may not be able to go back to your assignment and make corrections after you have finished, so it is important to make sure that the

information you provide is correct before you submit it. Review instructions for each assignment and test carefully.

Support Services:

Students in need of support are encouraged to contact me via email or telephone. Response will be made within 48 hours Monday through Friday. All college classes require strong reading and study skills. There may be a student support program in your area. **If you feel that you may be falling behind, contact me immediately.** I want you to be successful. Never be afraid to ask for help.

Math Hotline: The number is: 1866-UAFMATH (823-6284)

Disabilities Services:

The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.

Course Calendar:

Day 1	First day of classes
Week 1	unit 1 due
Week 2	unit 2 due
Week 3	unit 3 due
Week 4	unit 4 due
Week 5	unit 5 due
Week 6	unit 6 Due
Week 7	unit 7 due
Week 7	Mid-term Exam
Week 8	unit 8 due
Week 9	unit 9 due
Week 10	unit 10 due
Week 11	unit 11 due
Week 12	unit 12 due
Week 13	unit 13 due
Week 14	unit 14 due
Week 14	Final Exam