

Math for Health Professions (5cr)- HMath 100 DEW3405 On-Line Course Spring'15

Teacher: Zoe Grimshaw. All communication via E-mail- **Please include your roster name** at: zoe.grimshaw@skagit.edu
Office hours A-227 M, W 12:30 -1:30 & by email appointment.

Web based - Skills Class, for nursing students, to calculate medication dosages, % changes and intravenous flow rates. Includes conversions using metric, household & apothecary scales, percentages & scientific notation. There will be 2 [15% ea.] **On Campus Proctored Tests in this class.** If you miss a **Test** you have one calendar week to make it up or receive a grade of "0". There will be 5[10% ea.] On-line Chapter Exams during the quarter. **Exams can't be made-up unless arrangements are made in person or by e-mail message [10% late penalty per week].** On-Line homework tracked on Moodle will be 20% of the grade. With a grade of C (73%) or higher, this is a prerequisite to entrance into the SVC Nursing programs, as such students are expected to act in a professional manner. During Exams please silence your cell phones, beepers, pagers, radio's etc., you can quietly listen to mp3s. **Prerequisite:** MATH 96 with a grade of C or higher, or equivalent math placement score.

This class uses 2 computer sites; **MySVC g-mail & Moodle2.** Moodle2 [included in registration fee] is used for online testing, online graded homework and practice problems, handouts, Panopto Videos, & grade reporting. MySVC g-mail is used for communication, forwarding of Lecture Class notes, & replies to questions.

Required Supplies: Book [paper or e] + **2-line Scientific Calculator:** Paper Book: Medical Dosage Calculations 10th or 11th Edition By: Olsen, Giangrasso, Shrimpton, Dillon ISBN[10th Ed] 0-13-215661-X OR e-book from coursesmart + **2-line + Scientific Calculator** Required {TI-30XIIS recommended}. The book store has Paper books; rental books, & Calculators.

GRADES: % of pts.	100% - 93% A	92% - 90% A-	The student will review their grades at least 2 times during the quarter. It is the students responsibility to arrange make-up tests. No retakes of tests. Homework assignments may be retaken. Maximum of One Make-up per Student w/o Note.
89% - 87% B+	86% - 83% B	82% - 80% B-	
79% - 77% C+	76% - 73% C	72% - 70% C-	
69% - 66% D+	65% - 60% D	Below 60% E	

TENTATIVE WORK SCHEDULE * 11 Week Course - -On-Line Class w/2 On Whidbey Campus Tests

Activity - **Location - Whidbey Campus - Oak Hall Room A-227**

Midterm Exam Tuesday 5/5 from **1 - 4 pm** Room A- 227 or Wednesday 5/6 from **6 - 9pm** Room A- 227

Final Exam: Tuesday 6/16 from **1 - 4pm** Room A- 227 or Wednesday 6/17 from **6 - 9pm** Room A- 227

Week 1 - (Apr. 7 - Apr. 11) **Pre-Test;** Chapter 1, 2, Abbreviations,

Week 2 - (Apr. 12 - Apr. 18) Chapter 3, 4; Roman#; **Exam 1 Ch. 1 -2 Due Apr. 18**

Week 3 - (Apr. 19 - Apr. 25) Chapter 5; Percent Change

Exam 2 Ch. 3 -4 Due May 2

Week 4 - (Apr. 26 - May 2) Chapter 6; Temps

Week 5 - (May 3- May 9) Chapter 7; **Mid-Term Exam Ch. 1 - 5+Abbreviations, Conversions, %change**

Week 6 - (May 10 - May 16) Chapter 8; Stock dilutions **Exam 3 Ch. 6 -7 Due May 16**

Week 7 - (May 17 - May 23) Chapter 9;

Week 8 - (May 24 - May 30) Chapter 10; **Exam 4 Ch. 8 - 9 Due May 30**

Week 9 - (Jun. 1 - Jun. 6) Chapter 11;

Week 10 - (Jun. 7 - Jun. 13) Chapter 11; **Exam 5 Ch. 10 - 11 Due Jun. 13**

Week 11 - (Jun. 14 - Jun. 19) Chapter 12; Practice Tests; **Final Test Ch. 5 - 12 + Conversions, %change, Temps**

Exams are open for 4 days. They close at 11:59 on the due date. The weekly homework assignment will be to do all the Chapter reading, book exercises, handouts, and Red Check Exercises in Moodle before the on line Exam in which the Chapters are covered. Homework Questions will be replied to & posted as Class Notes, Graded Red Check assignments from Moodle have a value of 20% of your final grade. They can be worked multiple times, with the highest score being kept. The graded homework is due June 17th. It is expected that Class work (reading~5hours per week) + Homework will take you about 15 hours per week. This is the expectation for all college paced on-line 5 credit classes The homework includes practice for 4~7 hours per week with flash cards or on the computer practicing & memorizing the abbreviations and conversion units used in the nursing program.. Communications through MySVC e-mail.

Course Objectives:

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| a. Review of Decimals, Percents, and Proportions | b. Introduction of Medical abbreviations |
| c. Introduction of Medical Equivalents | d. Metric System of Measurement for solids, liquids & length |
| e. Apothecary and Household Systems of Measurement | f. Converting amounts from one system to another |
| g. Measuring Oral Medication | h. Computing dosages from Vials, Ampules, & Powders. |
| i. Rate of Flow and time for Infusions | j. Pediatric Dosages by weight and B.S.A. |

Gen Ed Learning Values & Outcomes:

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| 2. Critical Thinking - 2.1 Identify and express concepts, terms and facts related to a specific discipline. | 8.3 Interpret information and reasoning expressed mathematically (for example charts, formulas etc) |
| 2.2 Analyze issues and develop questions within a discipline. | 10. Technology - 10.3 Use technology appropriate to the context and task to effectively retrieve and manage information, solve problems, and facilitate communication. |
| 8. Mathematical Reasoning - 8.2 Correctly apply logical reasoning and mathematical principles to solve problems. | |

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Information to log-in to the computer sites you now have access to: MySVC - Moodle2,

Both Computer Sites www.skagit.edu/ logon information for: **all SVC computers**, and **FREE e-mail account**:

Your user name (for SVC, mySVC & Moodle2): 1st initial, last name, last 4 of SID [Student *not social* IDentification Number]

For example: Name: John Smith SID: 835-22-1234 The username would be: **jsmith1234**

Your password is created by you on your first system log-in. See <https://secure.skagit.edu/netpass.asp>

You may access your free mysvc E-mail account [same user name and password] from off campus by going to

[mail.mysvc.skagit.edu](mailto:jsmith1234@mysvc.skagit.edu) **Address: jsmith1234@mysvc.skagit.edu**

Browser Please use Chrome or FireFox with Tune-up of Quick Time, Adobe Reader, Adobe Flash, and Java.

Academic Honor Code: All students of Skagit Valley College are responsible for knowing and adhering to the Academic Honor Code of this institution found at <http://www.skagit.edu/honorcode>. Violations of this code include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct are reported to the student conduct officer. The Code of Student Conduct may be found at

<http://www.skagit.edu/conduct> and the Policy on Student Grievances at <http://www.skagit.edu/grievance>. WAC 132D-120-080. Disciplinary decisions may be appealed via the disciplinary appeals process described in the Code of Student Conduct, WAC 132D-120-230. The Skagit Valley College policy on plagiarism can be found at <http://www.skagit.edu/plagiarism>.

EXTRA CREDIT: Extra credit is given at the instructor's discretion and involves opportunities available to all students in the class. Usually limited to Bonus Questions on graded exams.

FINAL COURSE GRADES: Grades are unofficial until processed by Registration. Students are strongly recommended to keep all graded work/tests until they have verified the accuracy of the final grade for this course on their transcripts.

INCOMPLETE GRADES: Incomplete grades will generally not be given; however, life can intervene, so if you feel you have adequate justification for an incomplete grade please contact me before the last week of the quarter and we can discuss the options. Also please understand that incomplete grades are given at the discretion of the instructor.

WITHDRAWAL: At SVC, you may withdraw from a class without instructor approval through the tenth week of the quarter. No W can be given the last week of the quarter.

GUESTS: Guests and children are not allowed in the classroom without prior approval from your instructor.

STUDENT WITH SPECIAL NEEDS: If you are a student with a documented disability, please contact Disabled Student Services in the Counseling Center to arrange accommodations. SVC and your instructor are committed to making every effort to meet students' needs; please call the Counseling office at 360-416-7654 [Mt. V] or Julie Kunz at 679-5351 or her assistant Penny Bump at 679-5393 [Whidbey]- and make an appointment to request access services. -thanks

EMERGENCIES AND WEATHER: Listen to radio and TV stations for SVC emergency and weather

announcements: In Anacortes, KLKI 1340 AM; in Bellingham KPUG1170 AM, KGMI 790 AM, KISM 92.9 FM, KAFE 104.3 FM, KVOS-TV Ch. 12; in Mt. Vernon KBRC 1430 AM, KAPS 660 AM, KSVR 91.7 FM (SVC radio station); and in Seattle KIRO710 AM, KOMO 1000 AM. KIRO-TV CH. 7, KOMO-TV Ch. 4. Or visit the SVC website at www.skagit.edu.

If class is canceled, students are expected to check their MySVC e-mail for assignments & other course work.