

Math for Health Professions (5cr)- HMath 100 DEW#3384 Work on Moodle2 & MySVC g-mail **Winter'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, IV flow rates & IV bag duration. Includes conversions using metric, household & apothecary scales, percentages & scientific notation. There will be 2 [15% ea.] **On Whidbey Campus Proctored Tests in this class.** If you miss an Exam, 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 by e-mail message [10% late penalty per week].** On-Line homework tracked on Moodle2 will be 20% of the grade. With a grade of C (73%) or higher, this is a prerequisite to entrance into the SVC Health Occupations programs, as such students are expected to act in a professional manner. Please silence your cell phones, beepers, pagers, radio's etc during tests. You can quietly listen to mp3s during tests. **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 9th or 10th 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.

Course Name: **HMath 100 DEW Winter 15 - Math for Health Professions**

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| GRADES: % of pts. | 100% - 93% A | 92% - 90% A- | The student will check their grades at least 2 times during the quarter. It is the students responsibility to pre-arrange additional time for online Exams. No retakes of Exams. Maximum of One Make-up per Student w/o Cause. |
| 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 Campus Tests

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

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| Midterm Exam | Tuesday 2/3 from 1 - 4 pm Room A- 227 | or | Wednesday 2/4 from 6 - 9pm Room A- 227 |
| Final Exam: | Tuesday 3/19 from 1 - 4pm Room A- 227 | or | Wednesday 3/20 from 6 - 9pm Room A- 227 |
| Week 1 - (Jan. 6 - Jan. 10) | Pre-Test; Computer Intro | Chapter 1, 2, Download Abbreviations & Equivalent Handouts | |
| Week 2 - (Jan. 11 - Jan. 17) | Chapter 2, Abbreviations, | Moodle2 HW Ch.1 &2 | |
| Week 3 - (Jan. 18 - Jan. 24) | Chapter 3, 4; Roman# Handout; | Moodle2 HW Ch.3 & Exam 1 over Ch. 1 -2 | Closes Jan. 24 |
| Week 4 - (Jan. 25 - Jan. 31) | Chapter 5; Percent Change | Moodle2 HW Ch.4&5 + Exam 2 Ch. 3 -4 | Closes Jan. 31 |
| Week 5 - (Feb. 1- Feb. 7) | Chapter 6; | Mid-Exam Moodle Ch. 1 - 5+ Abbreviations, Conversions, %change, | |
| Week 6 - (Feb. 8 - Feb. 14) | Chapter 7; | Moodle2 HW Ch.6 & 7 | |
| Week 7 - (Feb. 15 - Feb. 21) | Chapter 8; | Moodle2 HW Ch.8 & Exam 3 over Ch. 6 -7 | Closes Feb. 21 |
| Week 8 - (Feb. 22 - Feb. 28) | Chapter 9; | Moodle2 HW Ch.9 | |
| Week 9 - (Mar. 1 - Mar. 7) | Chapter 10; | Moodle2 HW Ch.10 & Exam 4 over Ch. 8 - 9 | Closes Mar. 7 |
| Week 10 - (Mar. 8 - Mar. 14) | Chapter 11; | Moodle2 HW Ch.11 & Exam 5 over Ch. 10 - 11 | Closes Mar. 14 |
| Week 11 - (Mar. 15 - Mar. 20) | Chapter 12; Practice Tests; | Final Test Moodle Ch.6 - 12 & Post Test Ch.12 | |

Information to log-in to the computer sites you need access to: MySVC e-mail - Moodle2 & On Campus Computers,

Start at: www.skagit.edu/ logon information for: **SVC computers, Moodle2** and **FREE MySVC g-mail:**

Your user name (for SVC, mySVC & Moodle): 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> PIN = B-Day = MMDDYY

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

mail.mysvc.skagit.edu **Address:** jsmith1234@mysvc.skagit.edu Browser: Please use Chrome or FireFox. Browser Tune-up of Quick Time, Adobe Reader, Adobe Flash, and Java. **Protect your account's privacy , shut down after every session.**

Exams are open for 1 week. They close at 11:55pm on the due date. The usual assignment will be to do all the, Chapter reading, Book Exercises, Handouts & Moodle Red Check Homework's before the On line Exam in which the Chapters are covered. Homework Questions will be replied to & posted as Class Notes, Graded assignments from Moodle will have a value of ~0.33% of a grade points each. HW grades are recorded in Moodle, multiple attempts are allowed, the best grade is recorded and they should be finished by the Final Exam. It is expected that Class work (reading~5hours per week) + Homework will take you about 10 hours per week. This is the expectation for all college paced 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: The student will be able to

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| a. Work Orders using decimals, percents, and proportions | b. Translate and apply the most common Medical abbreviations |
| c. Demonstrate the use of dimensional analysis | d. Do Metric conversions of measurement for solids, liquids & lengths |
| e. Do Household conversions for solids, liquids & lengths | f. Convert amounts from one system to another |
| g. Calculating and Measuring of Common Oral Medication | h. Compute deliverable dosages from Vials, Ampules, & Powders. |
| i. Calculating Rate of Flow and run time for Infusions | j. Calculate 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. | |

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 can be found 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 seen online at <http://www.skagit.edu/plagiarism>.

CLASSROOM ENVIRONMENT: No one has the right to interfere with the learning process in the classroom. To decrease distractions, please observe the following: Reserve **private conversations** for outside of the classroom. Avoid whispering, laughter unrelated to class activities, or other distractions during student or instructor presentations. These are ineffective behaviors. If you carry **personal electronic devices** (pager, cell phone, for example), please silence them while you are in class. Emergency/ personnel may be exempted from this rule (See your instructor.) **Headphones/personal music players should not be used during class lecture time, and may be used during tests.**

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 sixth week of the quarter. After that time, your instructor must sign a special withdrawal card. [hardship withdrawal] Your instructor will sign only when there is a documented emergency such as a serious illness, accident, or death in the family. **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 you have any questions about this course, please post them to our Ask a Question Forum located in the Discussions tool. You can also access this forum at the top of the page in the Modules tool. I will be checking the forum frequently to answer questions. If you know the answer to a classmate's question, please feel free to respond to it.

If class is canceled or Campus is temporarily closed, students are expected to check their MySVC g-mail for assignments & other course work.