

Math 100B - Math for Allied Health Programs – College of Southern Nevada – Fall '09

Instructor: Bill Frost

Email: bill.frost@csn.edu

Office: I Building, Room 309-T

Phone: 702-651-7681

Class: Math 100B 46385 WC803 MW 11:00AM -12:20PM W Charleston I 308
46387 WC804 TR 12:30PM - 1:50PM W Charleston D 211

Course Description: A course designed to provide the mathematics skills used in allied health fields. Topics include operations with fractions and decimals, measurement systems, percents, ratios and proportions, drug calculations, and IV flow rates.

Textbook: Math and Dosage Calculations for Health Care, 3 Edition, Booth & Whaley

Prerequisites: None

Outcomes:

- Work with fractions and operations on fractions.
- Work with decimal notation, including conversion to fractions and percents.
- Work with percents, including conversion to fractions and decimals.
- Solve problems using ratios and proportions.
- Work with basic Roman numerals.
- Understand various systems of measurement and their equivalencies.
- Perform conversions within and between systems of measurement.
- Solve medication problems involving equivalencies and complications.
- Solve medical problems involving interpretation of solution concentration.
- Solve medical problems involving IV flow rates.
- Apply and extend all concepts.

Office Hours: Monday & Wednesday: 1:00 to 1:50 and 3:30 to 4:20

Tuesday & Thursday: 12:00 to 12:20 and 3:30 to 4:20

Other office hours by appointment.

Important Dates: **Test 1** – Wednesday, September 23 or Thursday, September 24

Test 2 – Wednesday, October 21 or Thursday, October 22

Test 3 – Wednesday, November 18 or Thursday, November 19

Final Exam –Monday, December 14 or Tuesday, December 15

Evaluation: 3 Tests – 20% each; Final Exam – 20%; Quizzes and homework – 20%

Course Grade: A: 90 – 100% B: 80 – 89% C: 70 – 79% D: 60 – 69% F: 0 – 59%
Plus and Minus grades are determined on an individual basis.

Attendance: It is highly recommended that you attend all classes and participate in the group work that is a fundamental part of this class. This not only increases your understanding of the material at hand, it is also considered in the determination of your final grade.

Homework:

Homework is due the first class of the week.

Homework turned in without a name will not be graded.

Late homework will not receive full credit.

Late homework will not be accepted after a test.

All homework must be stapled together, with each assignment highlighted at the beginning of that problem set.

Homework should be done on paper with no nubs.

Quizzes: There will be a weekly quiz. There will be no make-up quizzes.

General Information:

- Each student is entitled to 12 hours of free, individual academic tutoring. Contact the Tutoring Center in Building D – Room 203 (second floor) before you fall behind.
- The Math and Science Resource Center in Building H – Room 203 offers drop-in tutoring 6 days a week.
- The dates and times of the Tests and Final Exam will not be changed. Only medical emergencies will be considered for make-up examinations.
- Students not taking the Final Exam will automatically receive an F.
- Contact your fellow students for questions regarding sections covered and homework assignments.
- I will respond to emails regarding the scheduling of extra office hours and illness-related absences.
- It is your responsibility to keep all graded work until you have received a final grade for this class.

- The last day to drop a class with a “W” can be found in the calendar published by the Office of the Registrar. After this I date I will not give a student a “W”.
- Students who have registered with the DRC must give me the documentation provided by the DRC. These students must also email me the week before each test requesting that I send the test to the DRC.
- Cell phones must be quieted during class. Students may not answer calls during class.
- No texting during class. Failure to abide by this policy will result in expulsion.
- Cheating will not be tolerated. Students caught cheating will be expelled.
- No food of any kind may be eaten in the classroom.
- Pets, smoking, disruptive behavior, and other distractions are not permitted.

- Disclaimer: As the instructor I reserve the right to make changes to this syllabus.

Disruptive and Abusive Behavior

Students are expected to conduct themselves in a professional manner in the classroom and on campus at all times. Disruptive and abusive conduct will not be tolerated. Students who fail to adhere to behavioral standards may be subject to discipline per CSN’s Disruptive and Abusive Student policy. Examples of disruptive behavior include: repeated side conversation in the classroom, consistently arriving to class late or consistently leaving class early, repeated emotional outbursts in class, exchange of personal insults between students in class or through electronic media, fighting words exchanged among students in class or through electronic media or physical altercations between students.

A copy of the complete Student Conduct Code and Disruptive and Abusive Student Policy is available for review on the CSN home page under the Policies and Procedures link under "Quick Links."

The Disability Resource Center (DRC)

The College of Southern Nevada makes every effort to make its campuses fully accessible to students with disabilities. The college's Disability Resource Center offers accommodations to help students with documented disabilities with their academic pursuits. In addition, the DRC offers Disability Specialists and DHHS Coordinator to answer any questions or help solve any problems that may arise due to a documented

disability. The office also offers adaptive equipment to those who qualify to ensure equal access to all CSN sponsored activities.

In order to request accommodations for a disability, the student with a disability should contact the Disability Specialist or the DHHS Coordinator in the DRC. The DRC is located in Building D, Room 122. More information about the DRC can be found by going to the CSN home page and selecting the Disability Resource Center link under "Quick Links."

Student Academic Dishonesty Policy

CSN believes that any instance of academic dishonesty hurts the entire college community and that the values of honesty, trust, respect, fairness, responsibility and professionalism are paramount to maintaining academic integrity of our programs and courses.

In order to uphold and support standards of personal honesty and integrity for all members of the college community consistent with the goals of a community of scholars and students seeking knowledge, it is the practice of CSN to enforce the standards for academic integrity through fair and objective procedures governing instances of alleged student academic dishonesty.

/*****/

Assignment #1

Read this online syllabus carefully. When you have read it, copy the following statement into an email. Send the email to me from your CSN Imail account. **DO NOT** send me this email from your Yahoo, Hotmail, Gmail, or any other email account.

“I, your name here, have read Bill Frost’s online syllabus for Math 100B, Fall 2009, and I agree to abide by all the rules and policies outlined herein. I understand that late homework will not receive full credit, there are no make-up quizzes, and that the only excuse for missing a test is a documented medical emergency.”

/*****/

Q: What's Imail?

A: The Office of Technology Services (OTS) is pleased to present Imail, a full-featured web-based email system for use by students enrolled in for credit courses at CSN.

For additional information on Imail or technical assistance, call the OTS Help Desk at (702) 651-4357.

Q: Who gets an Imail account?

A: All currently enrolled students who are registered for credit courses will be provided with an account.

Q: How do I request an Imail account?

A: Accounts will be created automatically based upon CSN registration data.

Q: How long does it take before my Imail account is created?

A: Once you register for classes, your account is created two weeks before that semester starts.

Q: What is my Imail login ID and password?

A: Login IDs will follow the format first name "dot" last name and possibly a number sequence after last name if necessary to prevent duplicate IDs. For example, student Jane Doe may have an ID of jane.doe, while John Doe's ID might be john.doe01. Your initial password will be your date of birth which is in the format MMDDYYYY.

Q: What is my Imail email address?

A: Email address will be login ID followed by @students.csn.edu. Example: john.doe01@students.csn.edu for John Doe.

Q: How would I know if there is a number after my ID?

A: If you have tried your ID and password and you can't login, call the OTS Help Desk at (702) 651-4357. They will verify your identity and provide you with your login ID.