



Welcome to NURS 100 - Med Math!

Basic Course Information

Semester:	Spring 2023	Instructor Name:	Jeannette Lazarin, RN, MSN, CCM
Course Title & #:	Nursing 100 Medication Math	Email:	Jeannette.lazarin@imperial.edu
CRN #:	20389	Webpage (optional):	Imperial Valley College
Classroom:	Asynchronous Online	Office #:	I will be available via email and Canvas
Class Dates:	02/13/2023 – 04/07/2023	Office Hours:	Per appointment
Class Days:	Online	Office Phone #:	Nursing Office 760-355-6348
Class Times:	Online	Emergency Contact:	Nursing Office 760-355-6348
Units:	1	Class Format:	Online

******Deadline to drop with a "W" is March 27, 2023******

Course Description

This course focuses on those components of safe medication calculation and administration. The emphasis is on accuracy of calculation and the critical thinking evolved in client safety. This is an intense class on med math calculations that is required of all nursing majors. Clinical application is integrated into the clinical nursing courses. (CSU)

Course Prerequisite(s) and/or Corequisite(s)

None

Student Learning Outcomes

Upon completion of this class the student will be able to: Demonstrate understanding by passing a comprehensive final exam on dosage calculations at 78% or higher and overall grade for course of 78% or higher. (ILO2, ILO4) (ILO2, ILO4)

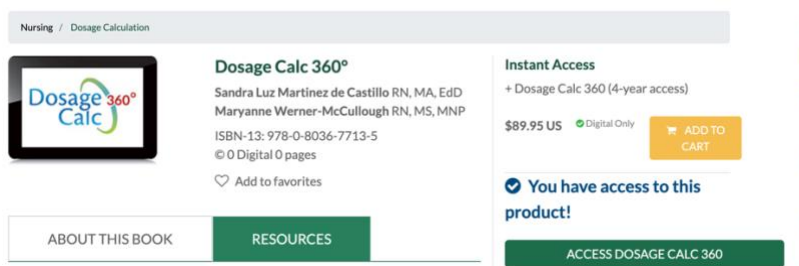
Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Calculate basic mathematic problems including addition, subtraction, multiplication & division of fractions & decimals.
2. Convert metric, apothecary and household measures accurately.
3. Solve dosage problems using dimensional analysis
4. calculate adult & pediatric dosages
5. calculate intravenous flow rates
6. Interpret drug orders and labels relevant to the safe administration of drugs,
7. Discuss the "Seven rights" of clients relative to administration of medications.
8. Describe the routes of administration, po, IM, IV

Textbooks & Other Resources or Links

We will be using Dosage Calc 360 which is an online program. It is required that you purchase this program which will give you 4-year access. Dosage Calc 360 4-year access. Sandra Luz Martinez de Castillo, Maryanne Werner-McCullough. FA Davis, ISBN 9780803677135 <https://www.fadavis.com/product/calculating-drug-dosages-nursing-math-castillo-online-access-2>



There is a 20% off coupon. Click on [Student Discount](#), which automatically includes the discount in your shopping cart for the purchase of the [Dosage Calc 360 Online Program](#)

Once you purchase the program, [Dosage Calc 360 Student Orientation](#) provides instructions on how to join the course. (CLASS ID 9093D017B6)

Course Requirements and Instructional Methods

During the 2023 Spring Session, NURS100 is offered as an online class.

Classroom work:

- Weekly modules and Dosage Calc 360 Assignments open on Sunday at 1200am and assignments are due no later than Friday by 1159pm (before midnight) on the assigned week.
- The student is expected to log into the class at least 3-4 times per week.
- Tests: There will be exams covering the topics reviewed online in the weekly modules. Weekly exams are due no later than Saturday 1159pm (before midnight) on the assigned week. They will be taken in Canvas with Honorlock.

THERE ARE NO MAKE-UP EXAMS REGARDLESS OF EXCUSE.

Assignments:

There will be homework assignments from the required Dosage Calc 360 (FA Davis) online site. These are part of your grade. These assignments will be outlined in Canvas. The assignment will cover the topics discussed in modules and on Dosage Calc 360.

A student shall treat this course like a job. There will be:

- ⇒ Homework: Weekly Assignments in Dosage Calc 360 (points are assigned by the activity). I use the Module Assessment grades in Dosage Calc 360 to calculate your score for each assignment in Canvas, you must get 85% or above on the module assessment to get full credit (10-20 points each)
- ⇒ Discussion posts (10 points each)
- ⇒ Weekly Exams (20-30 points each)
- ⇒ 1 Final Exam (100 points)

Classroom work:

The student is expected to log into the class at least 3-4 times per week.

Late work (Homework and Discussion posts only) will be accepted with a 10% deduction up to 2 days, after the 2nd day at 11:59 late work will not be accepted.

Tests:

There will be exams covering the topics reviewed online in the weekly modules. They will be taken in Canvas. HonorLock App will be used during the EXAMS.

THERE ARE NO MAKE-UP EXAMS REGARDLESS OF EXCUSE.

Honorlock will proctor your exams this semester. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You DO NOT need to create an account or schedule an appointment in advance. Honorlock is available 24/7, and all that is required is a computer, a working webcam/microphone, your ID, and a stable internet connection.

To get started, you will need Google Chrome and download the [Honorlock Chrome Extension](#)

When you are ready to complete your assessment, log into Canvas, go to your course, and click on your exam. Clicking "Launch Proctoring" will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session through your webcam, microphone, and recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device.

Honorlock support is available 24/7/365. If you encounter any issues, you may contact them through live chat on the [support page](#) or within the exam itself. Some guides you should review are [Honorlock MSRs](#), [Student FAQ](#), [Honorlock Knowledge Base](#) and [How to use Honorlock](#)

Online and Hybrid courses must demonstrate compliance with the IVC **Regular and Effective Contact Policy for Distance Education.**

Out of Class Assignments:

The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Course Grading Based on Course Objectives:

This is a nursing course therefore the grading is per the nursing department grading scales.

A = 93-100%

B = 84-92%

C = 78-83%

F = Below 78%

Student must pass the FINAL EXAM to pass the course. The grading for the course uses nursing criteria.

Attendance and Course Policies

The below information is the IVC attendance policy.

- **A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class.** Should readmission be desired, the student's status will be the same as that of any other student who

desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.

- Regular attendance in all classes is expected of all students. Student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

What does it mean to “attend” an online class?

Attendance is critical to student success and for IVC to use federal aid funds. Acceptable indications of attendance are:

- Student submission of an academic assignment
- Student submission of an exam
- Student participation in an instructor-led Zoom conference when one is provided
- Documented student interaction with class postings, such as an interactive tutorial or computer-assisted instruction via modules
- A posting by the student showing the student's participation in an assignment created by the instructor
- A posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters
- An email from the student or other documentation showing that the student has initiated contact with a faculty member to ask a question about an academic subject studied in the course.

Logging onto Canvas alone is NOT adequate to demonstrate academic attendance by the student.

ONLINE NETIQUETTE

What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.

- Students are to comply with the following rules of netiquette:
 - a. identify yourself,
 - b. includes a subject line
 - c. avoid sarcasm
 - d. respect others' opinions and privacy
 - e. acknowledges and return messages promptly
 - f. copy with caution
 - g. does not spam or junk mail
 - h. be concise
 - i. use appropriate language
 - j. use appropriate emoticons (emotional icons) to help convey meaning
 - k. use appropriate intensifiers to help convey meaning **[do not use ALL CAPS or multiple exclamation marks (!)].**

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors

respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

How do I show academic honesty and integrity in an online "classroom"?

⇒ KEEP YOUR PASSWORDS CONFIDENTIAL. o You have a unique password to access online software like Canvas. Never allow someone else to login to your account.

⇒ COMPLETE YOUR OWN COURSEWORK. o When you register for an online class and log-in to Canvas, you do so with the understanding that you will produce your own work, take your own exams, and will do so without the assistance of others (unless directed by the instructor).

Examples of Academic Dishonesty that can occur in an online environment:

- Copying from others on a quiz, test, examination, or assignment;
- Allowing someone else to copy your answers on a quiz, test, exam, or assignment;
- Having someone else take an exam or quiz for you;
- Conferring with others during a test or quiz (if the instructor didn't explicitly say it was a group project, then he/she expects you to do the work without conferring with others);
- Buying or using a term paper or research paper from an internet source or other company or taking any work of another, even with permission, and presenting the work as your own;
- Excessive revising or editing by others that substantially alters your final work;
- Sharing information that allows other students an advantage on an exam (such as telling a peer what to expect on a make-up exam or prepping a student for a test in another section of the same class);
- Taking and using the words, work, or ideas of others and presenting any of these as your own work is plagiarism. This applies to all work generated by another, whether it be oral, written, or artistic work. Plagiarism may either be deliberate or unintentional.



CIVILITY

- Civility is treating others and ourselves with respect, dignity and care. Civility is evident when we are sensitive to the impact that our communications, and behaviors have on others, and when we acknowledge each other's self-worth and unique contributions to the community as a whole. Incivility includes any and all forms of disrespect, behavior misconduct or disregard for instruction, the instructor or a fellow student. Students are expected to adhere to the standards of Student Conduct and the regulations adopted by the college. behavior misconduct. Students will treat faculty and other students with respect. Students are expected to promote self-accountability for their actions and foster respectful and professional conduct in all academic interactions. Students should report any form of harassment, disrespect or threatening action. Violations are subject to student disciplinary actions, including but not limited to the removal, suspension or expulsion of a student. Education Code Section 76034, IVC Code of Student Conduct.

IVC Student Resources

Imperial Valley College (IVC) wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

IVC offers various services in support of student success. The following are some of the services available for students.

- **CANVAS LMS.** Canvas is Imperial Valley College's main Learning Management System. To logontoCanvas, use this link: [Canvas Student Login](#). The [Canvas Student Guides Site](#) provides a variety of support available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.
- **Learning Services.** There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- **Library Services.** There is more to our library than just books. You have access to tutors in the [StudySkills Center](#), study rooms for small groups, and online access to a wealth of resources.

Anticipated Class Schedule/Calendar

*****Tentative, subject to change without prior notice*****

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 Feb 13-18	<ul style="list-style-type: none"> ▪ Review and complete Module 0 <ul style="list-style-type: none"> ○ Read & Understand Syllabus ○ Read & Understand Getting Started Module and Course Policies ○ Complete First Day Attendance Discussion Post in Canvas by Tuesday (02/14/23) before 0800am 	



Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
	<ul style="list-style-type: none"> ▪ Purchase, Enroll and learn the Dosage Calc 360 online program ▪ Complete Module 1/Week 1 <ul style="list-style-type: none"> ○ Read and complete online assignment in Dosage 360 for Basic Math 	Canvas Dosage Calc 360 Online
Week 2 February 19-25	<ul style="list-style-type: none"> ▪ Complete Module 2/Week 2 <ul style="list-style-type: none"> ○ Read and complete online assignments in Dosage 360 for Safety in Medication Administration, Systems of Measurement & Dimensional Analysis ○ Review the PowerPoints for Safety in Medication Administration, Systems of Measurement & Dimensional Analysis ○ Complete Week 2 exam in Canvas 	Canvas Dosage Calc 360 Online
Week 3 Feb26-March 4	<ul style="list-style-type: none"> ▪ Complete Module 3/Week 3 <ul style="list-style-type: none"> ○ Read and complete online assignments in Dosage 360 for Calculating Oral Medication Doses & Syringes and Needles ○ Review the PowerPoints for Calculating Oral Medication Doses & Syringes and Needles ○ Complete Week 3 Discussion Post in Canvas ○ Complete Week 3 exam in Canvas 	Canvas Dosage Calc 360 Online
Week 4 March 5-11	<ul style="list-style-type: none"> ▪ Complete Module 4/Week 4 <ul style="list-style-type: none"> ○ Read and complete online assignments in Dosage 360 for Calculating Parenteral Medication Dosages & Preparing Powdered Parenteral Medication ○ Review the PowerPoints for Calculating Parenteral Medication Dosages & Preparing Powdered Parenteral Medication ○ Complete Week 4 exam in Canvas 	Canvas Dosage Calc 360 Online
Week 5 March 12-18	<ul style="list-style-type: none"> ▪ Complete Module 5/Week 5 <ul style="list-style-type: none"> ○ Read and complete online assignments in Dosage 360 for Calculating for IV medications and Infusions & Administering Direct IV Medications ○ Review the PowerPoints for Calculating for IV medications and Infusions & Administering Direct IV Medications ○ Complete Week 5 Discussion Post in Canvas ○ Complete Week 5 exam in Canvas 	Canvas Dosage Calc 360 Online



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Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 6 March 19-25	<ul style="list-style-type: none"> ▪ Complete Module 6/Week 6 <ul style="list-style-type: none"> ○ Read and complete online assignments in Dosage 360 for Verifying Safe Dose ○ Review the PowerPoints for Verifying Safe Dose ○ Complete Week 6 Discussion Post in Canvas ○ Complete Week 6 exam in Canvas 	Canvas Dosage Calc 360 Online
Week 7 March 26-April 1	<ul style="list-style-type: none"> ▪ Complete Module 7/Week 7 <ul style="list-style-type: none"> ○ Read and complete online assignments in Dosage 360 for Calculating Intake and Output & Calculating for special Populations ○ Review the PowerPoints for Calculating Intake and Output & Calculating for special Populations ○ Complete Week 7 exam in Canvas 	Canvas Dosage Calc 360 Online
Week 8 - FINAL April 2-7	<ul style="list-style-type: none"> ▪ Take Final EXAM in Canvas <ul style="list-style-type: none"> ○ Must score at least a 78% per nursing standards ▪ Complete Anonymous Student Survey 	Canvas

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