Basic Course Information

Semester:	TBD	Instructor Name:	Wesley Lavoie MSN, RN, CCM
Course Title & #:	NURS 100	Email:	Wesley Lavoie@imperial.edu
CRN #:	TBD	Webpage (optional):	N/A
Classroom:	2152 FACE to FACE/ONLINE - ASYNCHRONOUS	Office #:	TBD
Class Dates:	Accelerated 1/06/26-1/15/26	Office Hours:	Pronto: T 10AM-1PM, W 12PM-1PM, TH 4PM-5PM Available via e-mail Available Zoom by appointment
Class Days:	T, W, R	Office Phone #:	TBD
Class Times:	1pm-4pm/FACE to FACE/ONLINE - ASYNCHRONOUS	Emergency Contact:	760-355-6348 – Nursing Office
Units:	1.0	Class Format:	IN PERSON/ONLINE - ASYNCHRONOUS

Deadline to drop WITH "W" Friday, January 11, 2026

Course Description

Accelerated Asynchronous Course

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

In NURS100, the student is required to apply mathematical principles to the calculation of drug dosages. This includes addition, subtraction, multiplication & division of decimals and fractions. A thorough knowledge of the metric system with emphasis on the conversions is required. Dimensional analysis as it applies to calculating drug dosages is included.

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

Required e-TEXT:
DosageCalc 360
FA Davis
ISBN-13: 978-1-7196-4647-5

https://www.fadavis.com/product/dosage-calc-360-castillo-online-digital-calculations-3

Course Requirements and Instructional Methods

During this term, NURS100 is offered as an IN PERSON - asynchronous class. This means that there will be live in-class meetings

Classwork:

• All DosageCalc 360 module activities and post assessments will be available to the student throughout the duration of the course with bundled due dates.

THERE ARE NO MAKE-UP EXAMS

Assignments:
There will be homework assignments from the required FA Davis DosageCalc 360 e-TEXT. These are part of your grade. The assignments and due dates will be outlined in DosageCalc 360.

There will be:

- ❖ Homework: Module assignments in Dosage Calc 360 (participation, does not count towards grade)
- ❖ Module Post-Assessments 10 points each
- ❖ Final Exam (100 points)

- The student is expected to attend the class IN PERSON 3 times per week.

No late work will be accepted

Course Grading Based on Course Objectives

Course Grading Based on Course Objectives:

This is a nursing course therefore the grading is per the IVC Nursing Department grading scales.

A = 93-100%
B = 84-92%
C = 78-83%
F = Below 78%

Attendance

• 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. A 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.

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: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

IVC Student Resources
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.

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.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC General Catalog.

Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Due Dates
1/06/26 Safety in Medication Administration	Syllabus & Introduction Purchase the E-textbook: DosageCalc 360 Third (3rd) Edition ISBN-13: 978-1-7196-4647-5 Must have required E-textbook • Complete Module Activities • Complete Post Assessment	Canvas Discussion Post due Sunday, 1/06/26 @ 11:59 PM DosageCalc 360 Sunday, 1/09/26 @ 11:59 PM

Date or Week	Activity, Assignment, and/or Topic	Due Dates
1/06/26 Systems of Measurement	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Sunday, 1/09/26 @ 11:59 PM
1/06/26 Dimensional Analysis	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Sunday, 1/09/26 @ 11:59 PM
1/07/26 Calculating Oral Medication Doses	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Sunday, 1/09/26 @ 11:59 PM
1/07/26 Syringes and Needles	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Sunday, 1/09/26 @ 11:59 PM

1/08/26 Calculating Parenteral Medication Dosages	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Sunday, 1/14/26 @ 11:59 PM
1/08/26 Calculating for IV Medications and Infusions	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Sunday, 1/14/26 @ 11:59 PM
1/13/26 Verifying Safe Dose	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Monday, 1/14/26 @ 11:59 PM
1/13/26	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Monday, 1/14/26 @ 11:59 PM

Calculating Intake and Output		
1/14/26 Calculating for Special Populations	• Complete Module Activities • Complete Post Assessment	DosageCalc 360 Monday, 1/14/26 @ 11:59 PM
1/15/26	Final Exam DosageCalc 360 (IN PERSON) Computer Lab (1pm)	

Subject to change without prior notice