

Drug Dosage Calculations (NUR 135)

Supplemental Resources Guide

This guide is provided to students by the DCC Math Lab. This guide is designed to supplement the instructional materials provided in the NUR 135 course offered at DCC. Throughout this document you will find links to external websites and videos. Although we make every effort to ensure these links are accurate, up to date, and relevant, the DCC Math Lab cannot take responsibility for pages maintained by external providers.

If you come across any external links that do not work, we would be grateful if you could report them to the DCC Math Lab by emailing us at mathlab@danville.edu.

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Topic	Resources	Description
Introduction	https://youtu.be/ndtXW8ZkWHU	Video - Introduction to Dosage Calculations
	also see	https://youtu.be/EqwarsFVsYY
	also see	https://youtu.be/liP21-ZnPEg
Rounding Rules	https://youtu.be/olvBoysAmyo	Video - Rounding Decimals
	also see	https://youtu.be/HI-YvgRZlWc
Unit Conversions	https://youtu.be/eJhHKJdrKXg	Video - Converting Metric/U.S. Units of Measure
Flow Rate	https://youtu.be/4PXEcopD8YM	Video - Calculating Flow rate
Drip Factor and Drip Rate	https://youtu.be/bPCvOv4D5xQ	Video - Calculating Drip Factor and Drip Rate
	also see	https://youtu.be/W5Vlc6f0fBA
Dosage Calculations using Dimensional Analysis	https://youtu.be/AsU1U-ogc2w	Video - Number of Tablets needed
	https://youtu.be/m4o4SfvcXIM	Video - Weight-based Dosage
	https://youtu.be/83pbCW-i6jl	Video - Infusion Rate (drips/minute)
	https://youtu.be/PAMJltQUdHQ	Video - Flow Rate (mL/hour)
	https://youtu.be/6djLcXY_fnE	Video - Practice Quiz on above items
Overall Dosage Help	DosageHelp.com	Website – Free help with Dosage Calculations
Overall Dosage Help	https://2wz7603jj73w2s7jpn27zxpe-wpengine.netdna-ssl.com/wp-content/uploads/2015/11/Med-Math-Fundamentals.pdf	PDF – Printable booklet with examples to guide you in mastering the mathematical competencies necessary for the accurate computation of medication dosages