MLT1131 - Laboratory Calculations Lecture

Credits:	1 (1/0/0)
Description:	This course is designed to present mathematical operations commonly utilized in the medical laboratory. Topics include use of basic math processes, systems of measurement, conversion factors, solutions, dilutions, statistics for laboratory medicine and quality control. Upon completion, students should be able to solve practical problems in the context of the medical laboratory.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Create single and serial dilutions. 2. Perform various conversions related to laboratory testing methods. 3. Create various solutions required for laboratory methods. 4. Chart data using histographs, frequency polygons, bar graphs and pie charts. 5. Perform statistical calculations related to quality control. 6. Interpret Levey-Jennings charts and Westgard multirules. 7. Calculate diagnostic sensitivity and specificity.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*

© 2026 Minnesota State Community and Technical College.
We reserve the right to periodically update information without notice.
The information in this publication should not be regarded as contractual in nature.