

**Honors Medical Math  
2022-2023**

**PROGRAM:** Health Science Education

**ELECTIVE:** Medical Math (0850)

**INSTRUCTOR:** Loretta Thompson, MS, BSN, RN  
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Office Hours: M-F 2:00-3:00

**COURSE DESCRIPTION:**

This course is designed to allow instructional content to focus on medical math concepts and is designed for mathematics in a medical setting. Students will obtain knowledge in the following topics: basic math, fractions, decimals, ratios and percentages, measurement systems, prescriptions and dosages, IV therapy, documentation, and calculations. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content skill sets.

**TEXT:**

*Calculate with Confidence, 8<sup>th</sup> edition*, D. Morris, Elsevier, Inc., 2022

**METHOD OF INSTRUCTION:**

1. Lecture and Demonstration
2. Schoology
3. Remote & Virtual Lessons
4. Audio-Visual Aids
5. Handouts
6. Classroom Discussion
7. Small Group Activities

**BASIC COURSE REQUIREMENTS:**

1. Students will need to bring the following items to class every day:
  - a. 3-Ring Binder
  - b. Paper
  - c. Pencil
  - d. Assigned textbook

**EVALUATION:**

1. Examinations, quizzes, and written assignments will be given a numerical grade according to the Boone County Schools grading scale:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F
2. All work must be neat and legible. Assignments are to include name, date, and period.
3. Incomplete work will not be accepted. Late work will be lowered by one letter grade for each day the assignment is late.
4. FINAL EXAMINATION
5. When the instructor observes cheating on the part of the student, the case shall be handled in accordance with the following procedures:
  - a. A. The instructor has the authority to give the student the grade of "F" on the assignment or a grade of "F" in the course.
  - b. The instructor will submit to the principal, within three (3) days from the time the cheating occurred, a written report, along with physical evidence, stating the facts of the case and the action taken by the instructor.