



**ALMA 1000 – Allied Health Math Applications  
HYBRID COURSE SYLLABUS  
Fall Semester 2021  
Tentative- Subject to change**

**COURSE INFORMATION**

Credit Hours/Minutes: 0 Credit Hours/2250 Minutes:

Campus/Class Location: Swainsboro Campus, Building 8, Room 8136

Class Meets: FTF 70 % (1575 minutes) Wednesday 12:30 pm to 2:30 pm; Hybrid 30% (675 minutes)

Course Reference Number (CRN): 20218

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Tiffany Thompson, BSN, RN

Office Location: Building 8, Office 8164

Office Hours: Tuesday & Thursday 2:45 to 4:45pm

Email Address: [Tiffany Thompson \(mailto:tthompson@southeasterntech.edu\)](mailto:Tiffany.Thompson@southeasterntech.edu)

Phone: 912-538-3252 or 912-538-3293

Fax Number: 478-289-2249

Tutoring Hours: Please schedule an appointment during office hours.

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

**REQUIRED E-TEXT – CODES PROVIDED BY STC**

- Booth, K., & Whaley, J. (2016). *Math and Dosage Calculations for Healthcare Professionals. (5<sup>th</sup> edition)*. New York, NY: McGraw-Hill Education. ISBN 978-0-07-351380-5.
- McGraw-Hill CONNECT online access. Codes will be given in class.

**REQUIRED SUPPLIES & SOFTWARE**

Paper, Pens/Pencils, Folder, and Computer Access

Note: Although students can use their smart phones and tablets to access their online course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

**Students should not share login credentials with others and should change passwords periodically to maintain security.**

## COURSE DESCRIPTION

ALMA 1000 prepares students in understanding the application of mathematics in their health science program courses. The topics included are basic mathematics, medical terminology, mathematical conversions, weight and measurement applications used in health science programs. Additionally, problem-solving strategies, basic principles of medication administration, and research in health science will be incorporated into the course competencies.

## MAJOR COURSE COMPETENCIES

1. Problem Solving Strategies
2. Basic Mathematics in Health Science
3. Medical Terminology Used in Health Science Math Applications
4. Conversion Applications in Health Science
5. Weight and Measurement in Health Science
6. Basic Principles of Medication Administration
7. Research in Allied Health

## PREREQUISITE(S)

- Certificate Programs with a math component: MATH 1012 with a C or better
- Diploma Programs: MATH 1012 with a C or better
- Degree Programs: Appropriate algebra placement test score

## COURSE OUTLINE

### Problem Solving Strategies

Order	Description	Learning Domain	Level of Learning
1	Use problem solving strategies to solve application problems (See Definition Section)	Cognitive	Application

### Basic Mathematics in Allied Health

Order	Description	Learning Domain	Level of Learning
1	Perform operations and comparisons with fractions, decimals, and percent.	Cognitive	Application
2	Convert between and interpret the medical application of Arabic Numerals and Roman Numerals	Cognitive	Comprehension
3	Perform basic allied health applications using ratios, rates and proportions	Cognitive	Application
4	Developmental calculations skills through drill & practice, contextualization, etc.	Cognitive	Application

### Medical Terminology Used in Allied Health Math Applications

Order	Description	Learning Domain	Level of Learning
1	Demonstrate an understanding of medical terminology used in allied health math	Cognitive	Application
2	Interpret medical abbreviations as related to allied health math	Cognitive	Application

### Conversion Applications in Allied Health

Order	Description	Learning Domain	Level of Learning
1	Demonstrate an understanding of the systems of measurement and their equivalencies	Cognitive	Application
2	Convert among and between measurement systems (metric, apothecary, household/American/English) using formulas, mental calculations, proportions, dimensional analysis, and means/extremes	Cognitive	Comprehension

### Weight and Measurement Applications in Allied Health

Order	Description	Learning Domain	Level of Learning
1	Interpret medical measurement devices (scales, tape measure, syringes, wound measurement devices, etc.)	Cognitive	Comprehension
2	Demonstrate weight and measurement literacy	Cognitive	Application

### Basic Principles of Medication Administration

Order	Description	Learning Domain	Level of Learning
1	Interpret and translate orders for medication	Cognitive	Comprehension
2	Use ratios, rates, and proportions to perform allied health applications and mixture/concentration problems	Cognitive	Application
3	Perform basic dosage calculations.	Cognitive	Application

### Research in Allied Health

Order	Description	Learning Domain	Level of Learning
1	Demonstrate an understanding of the importance of the scientific method in research	Cognitive	Application
2	Interpret statistical measures used in the allied health field	Cognitive	Comprehension

### GENERAL EDUCATION CORE COMPETENCIES

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

### STUDENT REQUIREMENTS

Students are expected to complete all homework assignments, participate on lab days, and chapter exams. Hybrid Students are responsible for checking e-mails and Blackboard announcements daily. This is a hybrid class, therefore it is the student's responsibility to ensure that they have a computer and Wifi access to complete all assignments. College email is accessed on the STC webpage under Student Email, under Microsoft Office 365 Mail. If you cannot log into your blackboard course it is your responsibility to get this fixed. You will need to notify IT or follow the instructions listed on the MySTC web page under the Technology Access Guide. I cannot help you with this problem.

The eTextbook is provided by Southeastern Technical College through the McGraw-Hill online learning management system called CONNECT™. Students will be given a CONNECT code for this course after a trial

period of 2 weeks is completed. Students are expected to complete all homework assignments online through CONNECT™. Weekly assignments are listed on the attached lesson schedule and are posted on the CONNECT™ website. Homework Assignments are due on the day of the coordinating exam. For Example, Chapter 4 homework is due the day you take the exam over Chapter 4. Failure to complete homework assignments the day of the coordinating exam will result in a zero. You will have 2 attempts to complete homework assignments. Homework Grades will be recorded on the day of the exam. Homework will remain open in order for you to review and practice for your final. Chapter Exams will be completed in class and online. See Testing policy and Make-Up guidelines. No cell phones or pagers are allowed to be turned on in the classroom unless permitted by the instructor for institutional activities. Personal calls must be handled outside of class.

Lectures will be recorded and posted under Student Resources in your blackboard course. The instructor will review chapter information and go over additional math calculation problems. However, it is the student's responsibility to watch the online lecture material prior to each chapter exam.

Handouts, Worksheets and Power Points will be available under the Student Resource Tab if applicable to the chapter. We will have specified lab days and participation is mandatory on these days. Lab will count 5% of your grade. Lab will consist of equipment demonstration, drug calculations, and interpreting medical measurements using equipment learned in this course. There are two scheduled lab days. Attendance is mandatory. The final exam will be online and due a different day than regular class days. Dates for the final exam will be announced.

### **TESTING POLICY**

Chapter exams will be completed on paper in class. **No Exam grades are dropped. A final chapter exam average of 70 or higher** is required to take the final exam. This average does not include homework. Grades will not be rounded up, example 69.9 will not be rounded to a 70. Students failing to obtain a test average of 70 or higher will not be allowed to take the final. If the student has below a 70 average, the student will receive a grade of zero for the final exam and will fail the course. It is the student's responsibility to keep up with their test average. No talking is allowed once an examination or evaluation begins. Students found with their cell phone or any other personal communication device during a test will be considered cheating and given a zero for the test. Calculators, when allowed, will be provided during testing.

### **COVID-19 MASK REQUIREMENT**

Regardless of vaccination status, masks or face coverings must be worn at all times while in a classroom or lab of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

### **COVID-19 SIGNS AND SYMPTOMS**

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

<b>COVID-19 Key Symptoms</b>
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)
Cough: new or worsening, not attributed to another health condition
Fatigue
Muscle or body aches
Headache
New loss of taste or smell
Sore throat (not attributed to any other health condition)
Congestion or runny nose (not attributed to any other health condition)
Nausea or vomiting
Diarrhea
<b>In the past 14 days, if you:</b>
Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

### **COVID-19 SELF-REPORTING REQUIREMENT**

Students, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using the <https://www.southeasterntech.edu/covid-19/>. Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](mailto:swaters@southeasterntech.edu), Exposure Control Coordinator, [swaters@southeasterntech.edu](mailto:swaters@southeasterntech.edu), 912-538-3195.

### **ATTENDANCE GUIDELINES**

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0-59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" in a course.

### **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

## **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

## **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Vidalia Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.

Swainsboro Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery MAY NOT be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up.

## **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

**Remember-** Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

## **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC...)**

In the event of an **excused absence** on an exam day, the student will be allowed to make-up **one** exam (excluding the final exam) which will be given at the discretion of the instructor. A grade of "0" will be given to all subsequent exams missed. The make-up exam may or may not be the same as the original exam. It may also be a different test format. Failure to show up for a make-up exam results in a grade of zero.

An excused absence is jury duty, military duty, court duty, or required job training. Other excused absences may also include illness, hospitalization or a death in the student's immediate family. Official, written documentation such as a subpoena or a doctor's excuse must be provided by the student prior to taking the make-up exam. The instructor reserves the right to refuse for the student to take the make-up exam based on the merit of the documentation.

Any exceptions to the makeup guidelines for this class will require instructor approval and would only be allowed for exceptional circumstances.

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Student Handbook.

### **PROCEDURE FOR ACADEMIC MISCONDUCT**

The procedure for dealing with academic misconduct and dishonesty is as follows:

#### **1. First Offense**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

#### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

#### **3. Third Offense**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

### **STATEMENT OF NON-DISCRIMINATION**

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity

through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 165 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

### ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

### GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’s website.

### ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

### TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

### GRADING POLICY

Assessment/Assignment	Percentage
Chapter Test Average	55%
Homework Assignments	20%
Lab Days	5%
Final Exam	20%

### GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59



## Fall Semester 2021 Lesson Plan

SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION

Date/Week	Chapter/ Lesson	Content	Assignments and Tests Due Dates	Competency Area
Week 1 8-18-21	Chapter 4 and 5	<p><b>By 8 am Monday, August 23<sup>rd</sup></b> students are required to do the following: 1. Go to "Getting Started" on the left side of the course page. Complete the "Pledge Acknowledgment Requirement" If this is not done on time you will be "No Showed" and dropped from the course.</p> <p>Chapter 4: Metric System and Rounding Review</p> <p>Handout: Conversions (HW Quiz 8/26/20)</p>	<p><b>*By 8 am Monday, August 23<sup>rd</sup></b> students are required to do the following: Go to "Getting Started" on the left side of the course page. Complete the "Pledge Acknowledgment Requirement". If this is not done on time you will be "No Showed" and dropped from the course.</p> <p>→Online Lecture available for Chapter (Ch.) 4 &amp; 5 → Print Conversion Sheet from Student Resource Tab →Read and study applicable chapters. Power Point available under Student Resources →Study for <b>Homework Quiz over Conversions</b> In Class.</p>	1 a-c
Week 2 8-25-21	Ch. 4 Exam then Ch. 5	<p>Ch. 4 : Metric System Ch. 5 : Other Systems of Measurement</p> <p><b>HW QUIZ:</b> Ch. 4 &amp; 5 Conversions We will not cover grains or drams in Ch. 5</p>	<p>→Watch the Online Lecture over Chapters if applicable →Power Point and Worksheets are available under Student Resources → Read and study applicable chapters. Study for Ch. 4 &amp; 5 Exam. → Online: Complete Ch. 4 Homework (HW) and Ch. 5 Homework (HW) in Connect prior to Ch. 4 &amp; 5 Exam.</p>	1; 4; 5 a-c
Week 3 9-1-21	Ch. 4 & 5 Exam Then Ch. 6 & 7	<p><b>Ch. 4 &amp; 5 EXAM</b></p> <p>Review Exam</p> <p>Start Chapter 6: Converting Units &amp; Chapter 7: Temperature and Time</p> <p>We will not cover temperature in this chapter.</p>	<p>→ Watch the Online Lecture over Chapters 6 &amp; 7 → Print Power Point and worksheets if applicable. → Read and study applicable chapters. Study for Ch. 6 &amp; 7 Exam. → Online: Complete Homework over Ch. 6 &amp; 7 in Connect prior to Exam Ch. 6 &amp; 7 Exam.</p>	1; 4; 5 a-c

Date/Week	Chapter/ Lesson	Content	Assignments and Tests Due Dates	Competency Area
Week 4 9-8-21	Chapter 6 & 7 Exam Then Ch. 8	<b>Ch. Exam 6: Converting Units &amp; Ch. Exam7: Temperature and Time</b>  Review Exam  Start Chapter 8: Equipment for Dosage Measurement/Lab	→ Watch the Online Lecture over Chapters 8. → Print worksheets and power point if applicable → Read and study applicable chapters. Study for Ch. 8 Exam → Online: Complete Homework over Ch. 8 in Connect prior to Ch. 8 Exam.	1; 2; 4; 5; 6 a-c
Week 5 9-15-21	Ch. 8 Exam then Ch. 9	<b>Chapter 8 Exam: Equipment for Dosage Measurement</b>  Review Exam  Start Ch. 9: Interpreting Medication Orders	→ Watch the Online Lecture over Chapters 9. → Print worksheets and power point if applicable → Read and study applicable chapters. Study for Ch. 9 Exam. → Online: Complete Homework over Ch. 9 in Connect prior to Ch. 9 Exam.	1; 5 a-c
Week 6 9-22-21	Ch. 9 Exam then Ch. 10	<b>Ch. 9 Exam: Interpreting Medication Orders</b>  Review Exam  Start Ch. 10: Interpreting Medication Labels and Package Inserts	→ Watch the Online Lecture over Chapters 10. → Print worksheets and power point if applicable → Read and study applicable chapters. Study for Ch. 10 Exam → Online: Complete Homework over Ch. 10 in Connect prior to Chapter 10 Exam.	1; 5 a-c
Week 7 9-29-21	Ch. 10 Exam Then Ch. 12	<b>Ch. 10 Exam: Interpreting Medication Labels and Package Inserts</b>  Review Exam  Start Ch. 12: Methods of Dosage Calculations	→ Watch the Online Lecture over Chapter 12 → Print worksheets and power point if applicable → Read and study applicable chapters. → Online: Complete Homework over Ch. 12 and study for Ch. 12 Exam.	1; 4; 5; 6 a-c

Date/Week	Chapter/ Lesson	Content	Assignments and Tests Due Dates	Competency Area
Week 8 10-6-21	Lab Day Ch. 12	<b>LAB DAY</b>  Ch. 12 Review	→ Lab Day over Previous Chapters → Watch the Online Lecture over Chapter 12 → Print worksheets and power point if applicable. Study for Ch. 12 Exam. → Online: Complete Ch. 12 HW in Connect prior to Ch. 12 Exam.	1; 3; 4; 5; 6 a-c
Week 9 10-13-21	Ch. 12 Exam then Ch. 13	<b>Ch. 12 Exam: Methods of Dosage Calculations</b>  Review Exam  Start Ch. 13: Oral Dosages	→ Watch the Online Lecture over Chapter 13 → Print worksheets and power point if applicable → Ready and study applicable chapters. Study for Ch. 13 Exam. → Online: Complete Ch. 13 HW in Connect prior to taking Ch. 13 Exam.	1; 3; 4; 5; 6 a-c
Week 10 10-20-21	Ch. 13 Exam Then Ch. 14	<b>Ch. 13 Exam: Oral Dosages</b>  Review Exam  Start Ch. 14: Parenteral Dosages and Safe Dosage Ranges	→ Watch the Online Lecture over Chapter 14 and Safe Dosage Ranges → Print worksheets and power points if applicable → Read and study applicable chapters. Study for Ch. 14 Exam. → Online: Complete Ch. 14 HW in Connect prior to Ch. 14 Exam.	1; 3; 4; 5; 6 a-c
Week 11 10-27-21	Ch. 14 Exam  <b>65% MARK</b>	<b>Ch. 14 Exam: Parenteral Dosages and Safe Dosage Ranges</b>  Review Exam  Start IV Calculations	→ Watch the Online Lecture over IV Calculations → Print worksheets and power points if applicable → Read and study applicable chapters. → Online: Complete Homework over IV Calculations in Connect prior to IV Calculation Exam.	1; 3; 4; 5; 6 a-c

Date/Week	Chapter/ Lesson	Content	Assignments and Tests Due Dates	Competency Area
Week 12 11-3-21	Ch. 14 Exam Then	IV Calculations Lecture IV Worksheet Review	→ Watch the Online Lecture over IV Calculations if applicable → Print worksheets and power points if applicable → Read and study applicable chapters. → Online: Complete Homework over IV Calculations (Calc.) in Connect prior to IV Calc. Exam.	1; 3; 4; 5; 6 a-c
Week 13 11-10-21	Lab Day  Ch. 15	<b>LAB DAY</b>	→ 2 <sup>nd</sup> Lab Day over previous chapters and IV calculations. → Watch the Lecture over IV Calculations → Print worksheets and power points if applicable → Read and study applicable chapters. Study for IV Calc. Exam → Online: Complete IV HW in Connect prior to IV Calc. Exam.	1; 3; 4; 5; 6 a-c
Week 14 11-17-21	IV Calc Exam	<b>IV Calculations Exam</b>  Review for Final Exam  Make-Up Exam Day	→ Study past worksheets and HW for your Final Exam  → Make-Up Exams Due Today.	1; 3; 4; 5; 6 a-c
Holiday 11-24-21	Holiday	Thanksgiving Holidays	→ Study for Final Exam over all chapters.	
Week 15 1-1-21	Final Exam	<b>Final Exam:</b> Ch. 1-14 and IV Calculations		1-7 a-c

**COMPETENCY AREAS: (WILL VARY FOR EACH COURSE/TAKEN FROM STATE STANDARDS)**

1. Problem Solving Strategies
2. Basic Mathematics in Health Science
3. Medical Terminology Used in Health Science Math Applications
4. Conversion Applications in Health Science
5. Weight and Measurement in Health Science
6. Basic Principles of Medication Administration
7. Research in Health Sciences

**GENERAL CORE EDUCATIONAL COMPETENCIES:**

- A. The ability to utilize standard written English.
- B. The ability to solve practical mathematical problems.
- C. The ability to read, analyze, and interpret information.