



**PNSG 2010
COURSE SYLLABUS
Fall Semester 2015**

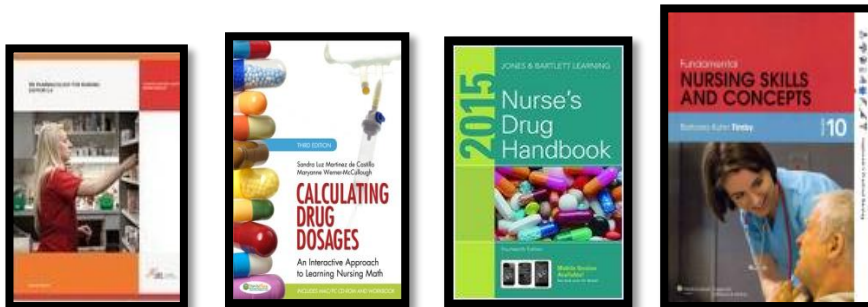
Semester: Spring 2015
Course Title: Intro to Pharmacology and Calculations
Course Number: PNSG 2010
Credit Hours/ Minutes: 2/3000
Class Location: Building 8 Room 8103
Class Meets: Mon. thru Thurs. from 2:00pm to 3:35pm
CRN: 20269

Instructor: Shannon Veal RN, BSN
Office Hours: M-R: 3:30pm-5:00pm
Office Location: Building 8 # 8101
Email Address: sveal@southeasterntech.edu
Phone: 478-289-2333
Fax Number:
Tutoring Hours: Please schedule an appointment

REQUIRED TEXT:

- (1). PN Pharmacology for Nursing (ATI Text)
- (2). Calculating Drug Dosages (Student Workbook) Castillo & Werner-McCullough
- (3). Fundamental Nursing Skills and Concepts, Text and Workbook, 10th edition, Lippincott
- (4). Nurse's Drug Handbook (2015) Jones & Bartlett (ATI Text)

All previous texts for reference - ATI testing web service



REQUIRED SUPPLIES & SOFTWARE:

Ear phones (for ATI Skills Modules)
Calculator
Pencils with erasers

COURSE DESCRIPTION:

Applies fundamental mathematical concepts and includes basic drug administration. Emphasizes critical thinking skills. Topics include: systems of measurement, calculating drug problems, resource materials usage, fundamental pharmacology, administering medications in a simulated clinical environment, principles of IV therapy techniques, and client education.

MAJOR COURSE COMPETENCIES:

1. Systems of Measurement
2. Medication Calculations
3. Resource Materials Usage
4. Fundamental Pharmacology
5. Client Education
6. Medication Administration (Simulated Clinical Environment)

PREREQUISITE(S): Program Admission

Order	Systems of Measurement	Learning Domain	Level of Learning
1	Compare and Contrast methods of metric and household measurements.	Cognitive	Evaluation
2	Describe common units utilized in medications.	Cognitive	Comprehension
3	Differentiate the relationship between methods of measurement.	Cognitive	Analysis
Order	Medication Calculations	Learning Domain	Level of Learning
1	Perform computation of correct medication dosages.	Psychomotor	Guided Response
2	Perform calculations of I.V. fluid rate and intake.	Psychomotor	Guided Response
Order	Resource Materials Usage	Learning Domain	Level of Learning
1	Discuss reference sources for medications.	Cognitive	Comprehension
2	Research information on assigned medications.	Cognitive	Analysis
3	Identify the abbreviations associated with medication administration.	Cognitive	Knowledge
4	Interpret the information found in prescriptions and other medication labels.	Cognitive	Application
5	Interpret medication orders.	Cognitive	Application
Order	Fundamental Pharmacology	Learning Domain	Level of Learning
1	Explain medication origins and nomenclature.	Cognitive	Comprehension
2	Discuss commonly used over the counter pharmaceuticals including supplements.	Cognitive	Comprehension
3	Discuss actions, uses, contraindications, adverse reactions, dosages, routes, food and medication interactions, and implications for patient care of medications.	Cognitive	Comprehension
Order	Client Education	Learning Domain	Level of Learning
1	Integrate client education as it relates to various drug classifications and routes of medication administration.	Psychomotor	Complex Response
Order	Medication Administration (Simulated Clinical Environment)	Learning Domain	Level of Learning
1	Interpret the laws governing the use and misuse of medications.	Cognitive	Comprehension
2	Demonstrate correct administration of oral, parenteral and percutaneous medications.	Psychomotor	Guided Response
3	Recognize administration rights of patients.	Cognitive	Analysis
4	Consider administration rights of patients.	Affective	Valuing
5	Implement safety principles in medication administration.	Psychomotor	Mechanism
6	Integrate appropriate protocol for medication error reporting.	Cognitive	Synthesis
7	Demonstrate basic principles of intravenous therapy.	Psychomotor	Guided Response

GENERAL EDUCATION CORE COMPETENCIES: STC 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.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

STUDENT REQUIREMENTS: Students are expected to complete all exams and daily assignments. **A unit exam average of 70% or above for the unit exams must be obtained in order to take the final exam.** A course grade of 70% must be obtained in order to advance into future nursing courses.

No assignment opportunities will be given for extra credit. Any test grade will be entered as is to the nearest 10th. No scores will be rounded (up or down). This rule applies to every grade issued during this semester.

It is highly recommended that students take full advantage of the all resources available to them; workbooks, end of chapter review questions, NCLEX-PN review questions, and internet sources but, will be **REQUIRED** to complete **all ATI assignments** that correspond with covered chapters. **Any ATI assignments; these must be completed with a passing score; print out report and turn in prior to test.**

***Students are subject to pop quizzes

All students are responsible for bringing their skills check off notebook with them to the skills lab. Failure to have the check off notebook will result in a zero for the day and will be considered an absence.

Power Points

Power points for each chapter are available on the student **M: drive**. This student drive can be accessed by going to the STC website and logging into Remote Lab Access.

Remediation Procedure:

Failure to pass any regular examination with a minimum grade of 70 or above will result in mandatory remediation of the material covered in the exam. Remediation assignments are non-negotiable. The Student Remediation Conference Form will be completed, and the student must complete a remediation assignment. For the designated remediation assignment, the student will be given a written assignment based on the weak area(s) noted on the exam. All remediation assignments must be completed before the student will be allowed to take the final exam.

EXIT EXAM:

Prior to graduation from the STC PN program, the student is required to pass the ATI PN Comprehensive Predictor Exit Exam with a minimum 90% predicted probability of passing NCLEX. This is a requirement for graduation and not an option. The student will have three chances to achieve this. If the student does not meet the required percentage on the first try, the student may retake the exam. On the second try, if the student does not achieve the required percentage then the student will remediate with an instructor in the deficient content areas prior to retaking the exam for the third try. The student will be required to pay for the exam if a third attempt is required. If on the third try the percentage is not achieved, the student must retake the nursing courses which include the deficient content material. The student will also receive a grade of "F" in PNSG 2415.

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 also 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 and face financial aid repercussions in upcoming semesters.

ADDITIONAL ATTENDANCE PROVISIONS

Health Sciences

Requirements for instructional hours within Health Science and Cosmetology programs reflect the rules of respective licensure boards and/or accrediting agencies. Therefore, these programs have stringent attendance policies. Each program's attendance policy is published in the program's handbook and/or syllabus which specify the number of allowable absences. All provisions for required make-up work in the classroom or clinical experiences are at the discretion of the instructor.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. Time and/or work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time (90%) may be dropped from the course as stated below in the Withdrawal Procedure.

Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course. **A tardy will be issued if a student has missed less than 20% of instructional class time. An automatic absence will be issued if the student misses greater than 20% of instructional class time. This averages out to 10 minutes per hour. For example, in this class which meets from 1:40-3:10, a student will be counted tardy if he/she arrives between 1:41 and 2:00. After 2:00, the student will be counted absent.**

For this class, which meets 4 days a week for 10 weeks, the maximum number of days a student may miss is 3 days during the semester.

SPECIAL NEEDS: *Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.*

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 advise me and make appropriate arrangements with the Special Needs Office. Swainsboro Campus: Jan Brantley, Room 1208, (478) 289-2274 -- Vidalia Campus: Helen Thomas, Room 108, (912) 538-3126.

WITHDRAWAL PROCEDURE: Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

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

MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc...): In the event of an absence on an exam day, the instructor may require a physician's excuse before a student is allowed to take a make-up exam. A student will only be allowed to re-take one theory 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. If a student misses the final exam and has already used their ONE time make-up, the student will NOT be allowed to make-up the final exam and be given a zero for the final exam.

ACADEMIC DISHONESTY POLICY: The STC Academic Dishonesty Policy states *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 *STC Catalog and Student Handbook*.

Procedure for Academic Misconduct

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

--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.

--Second Offense--

Student is given a grade of "WF" 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.

--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 second 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: Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

GRIEVANCE PROCEDURES: Grievance procedures can be found in the Catalog and Handbook located on STC's website.

ACCESS TO TECHNOLOGY: Students can now access Angel, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at www.southeasterntech.edu.

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 SCALE:

- A: 90-100
- B: 80-89
- C: 70-79
- D: 60-69

Unit Exams	70%
Final Exam	25%
ATI Component	5%
Lab skills	pass/fail

Each student's final course grade will be determined as follows:

Unit exam grade x 0.70 = _____

Final exam grade x 0.25 = + _____

ATI component X 0.05 = + _____

Numerical course grade = _____

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.*

Course Number: PNSG 2010 INTRODUCTION TO PHARMACOLOGY AND CLINICAL CALCULATIONS

Fall SEMESTER 2015 Lesson Plan

**** Schedule may change at instructors discretion

Date	Chapter	Content	Assignments/Tests	*Competency Area
Week 1 Monday 8/17/15		Introduction to class Workbook/CD ATI Pharmacology 3.0 Rounding Rules Conversion table Calculations Workbook p 17-19 100 Drug problems from Med Surg Book	Read upcoming chapters and do end of chapter exercises.	Course 1-6 Core a-c
Tuesday 8/18/15	CH 1 CH 2	Pharmacokinetics and Routes of Administration Save Medication Administration and Error Reduction	Read upcoming chapters and do end of chapter exercises. Memorize rounding rules, conversion table and Six Rights of Safe Medication Administration.	Course 1-6 Core a-c
Wednesday 8/19/15	CH 32 FUND	Oral Medications Calculations Workbook p 8-10	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Thursday 8/20/15	CH 5 CH 34 (Fund)	Adverse Effects , Interactions, and Contraindications Parenteral Medications ATI FEE DUE	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 1 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4	Course 1-6 Core a-c
Week 2 Monday 8/24/15	CH 34 (Fund)	Parenteral Medications Calculations Workbook p 11-13	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 1 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4	Course 1-6 Core a-c
Tuesday 8/25/15		LAB Demonstrate correct administration of oral, parental and percutaneous medications. Calculations Workbook p 31-40	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 1 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4	Course 1-6 Core a-c
Wednesday 8/26/15		LAB Demonstrate correct administration of oral, parental and percutaneous medications.	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 1 tutorials	Course 1-6 Core a-c

		Calculations Workbook p. 41-71	ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4	
Thursday 8/27/15	CH 4	Test 1 chapters 1,2,5, 32 and34 (FUND) Intravenous Therapy Calculations Workbook p 14-16	Read upcoming chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 1 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4 ATI SKILLS MODULE INTRAVENOUS THERAPY	Course 1-6 Core a-c
Week 3 Monday 8/31/15	CH 35 (Fund) CH 6	Intravenous Medications Anxiety Disorders	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 2 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4 ATI SKILLS MODULE INTRAVENOUS THERAPY	Course 1-6 Core a-c
Tuesday 9/1/15	CH 7 CH 12	Depressive Disorders Chronic Neurologic Disorders	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 2 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4	Course 1-6 Core a-c
Wednesday 9/2/15		LAB Demonstrate basic principles of intravenous therapy Calculations Workbook IV flow rates P 85-89,	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 2 tutorials ATI SKILLS MODULES MEDICATION ADMINISTRATION 1-4 ATI SKILLS MODULE INTRAVENOUS THERAPY	Course 1-6 Core a-c
Thursday 9/3/15		LAB Demonstrate basic principles of intravenous therapy Calculations Workbook p 94-98	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 2 tutorials ATI SKILLS MODULES	Course 1-6 Core a-c

			MEDICATION ADMINISTRATION 1-4 ATI SKILLS MODULE INTRAVENOUS THERAPY	
Week 4 Monday 9/7/15	CH 13	Test 2 Chapters 4,6,7,12 and 35(Fund) Eye and Ear Disorders	ATI: Pharmacology 3.0 Unit 2 tutorials	Course 1-6 Core a-c
Tuesday 9/8/15	CH 33 (Fund) CH 14	Topical and Inhalant Medications Miscellaneous Central Nervous System Medications	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit2 tutorials	Course 1-6 Core a-c
Wednesday 9/9/15	CH 15 CH 16	Sedative/ Hypnotics Airflow Disorders	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 2-3 tutorials	Course 1-6 Core a-c
Thursday 9/10/15	CH 17	Upper Respiratory Disorders LAB	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 3 tutorials	Course 1-6 Core a-c
Week 5 Monday 9/14/15	CH 18	Test 3 Chapters 13,14,15,16,17 and 33(Fund) Medications Affecting Urinary Output Calculations Workbook p 21-26	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 4 tutorials	Course 1-6 Core a-c
Tuesday 9/15/15	CH 19 CH 20	Medications Affecting Blood Pressure Cardiac Glycosides and Heart Failure	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 4 tutorials	Course 1-6 Core a-c
Wednesday 9/16/15	CH 21 CH 22	Angina and Antilipemic Agents Medications Affecting Coagulation	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 4-5 tutorials	Course 1-6 Core a-c
Thursday 9/17/15		LAB	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Week 6 Monday 9/21/15		Test 4 Chapters 18-22	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Tuesday 9/22/15	CH 24	Peptic Ulcer Disease	Read chapters and do end of chapter exercises. Math Homework. ATI: Pharmacology 3.0 Unit 6	Course 1-6 Core a-c

			tutorials	
Wednesday 9/23/15	CH 25 CH 27	Gastrointestinal Disorders Calculations Workbook p 27-30 Medications Affecting the Reproductive Tract	ATI: Pharmacology 3.0 Unit 7 tutorials	Course 1-6 Core a-c
Thursday 9/24/15	CH 28	Rheumatoid Arthritis	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 8 tutorials	Course 1-6 Core a-c
Week 7 Monday 9/28/15	CH 30	Nonopioid Analgesics	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 9 tutorials	Course 1-6 Core a-c
Tuesday 9/29/15	CH 33	Miscellaneous Pain Medications	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 9 tutorials	Course 1-6 Core a-c
Wednesday 9/30/15		LAB		Course 1-6 Core a-c
Thursday 10/1/15		Test 5 Chapters 24,25,27,28,30,33	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Week 8 Monday 10/5/15	CH 34 CH 35	Diabetes Mellitus Endocrine Disorders	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 10 tutorials	Course 1-6 Core a-c
Tuesday 10/6/15		LAB Review Calculations Workbook p 53	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Wednesday 10/7/15	CH 38 CH 39	Antibiotics Affecting the Bacterial Cell Wall Antibiotics Affecting Protein Synthesis	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 12 tutorials	Course 1-6 Core a-c
Thursday 10/8/15		LAB	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c

Week 9 Monday 10/12/15	CH 40	Urinary Tract Infections	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 12 tutorials	Course 1-6 Core a-c
Tuesday 10/13/15		LAB	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Wednesday 10/14/15	CH 41 CH 42	Mycobacterial, Fungal, and Parasitic Infections Viral Infections, HIV, and AIDS	Read chapters and do end of chapter exercises. ATI: Pharmacology 3.0 Unit 12 tutorials	Course 1-6 Core a-c
Thursday 10/15/15		LAB	Read chapters and do end of chapter exercises.	Course 1-6 Core a-c
Week 10 Monday 10/19/15		Test 6 Chapters 34,35,38,39,40,41,42	Study for Final	Course 1-6 Core a-c
Tuesday 10/20/15		Review for Final	Study for Final	Course 1-6 Core a-c
Wednesday 10/21/15		Final Exam		Course 1-6 Core a-c

*** COURSE COMPETENCIES:**

1. Systems of Measurement
2. Medication Calculations
3. Resource Materials Usage
4. Fundamental Pharmacology
5. Client Education
6. Medication Administration (Simulated Clinical Environment)

*** General Core Competency Areas:**

- (a) The ability to utilize standard written English.
- (b) The ability to solve practical math problems.
- (c) The ability to read, analyze, and interpret information.

****Disclaimer Statements****

*****Instructor reserves the right to change the syllabus and/or lesson plan as necessary.*****

*****The official copy of the syllabus will be given to the student during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.*****