



**Diet and Nutrition for Allied Health  
Sciences/ ALHS 1060  
COURSE SYLLABUS  
Summer 2017**

**Semester:** Summer 2017  
**Course Title:** Diet and Nutrition for Allied Health Science  
**Course Number:** ALHS 1060  
**Credit Hours/ Minutes:** 2/1500  
**Class Location:** Building 8, Room 8164  
**Class Meets:** Tuesday and Thursday 1:00 PM-2:25PM  
**CRN:** 60205

**Instructor:** Joanna W. Bell, RN  
**Email Address:** jbell@southeasterntech.edu

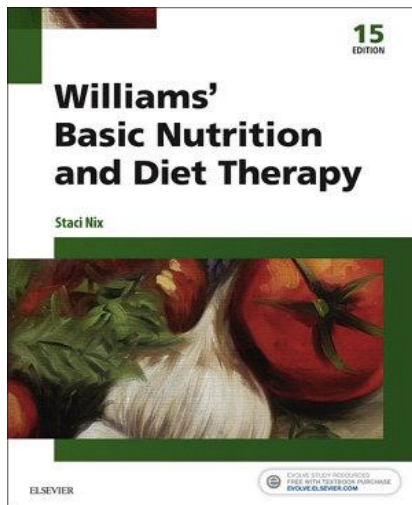
**Office Location:** Building 8, Office #8160  
**Office Hours:** M-R 3:00-5:00 pm

**Phone:** 478-289-2201

**Fax :** 478-248-2336

**Tutoring Hours:** Please schedule an appointment

**REQUIRED TEXT:** Williams' Basic Nutrition and Diet Therapy 15<sup>th</sup> edition. ISBN 978-0-323-37731-7



**REQUIRED SUPPLIES & SOFTWARE:** Paper, pen, pencil, & highlighter. Power points are available on the M drive.

**COURSE DESCRIPTION:** A study of the nutritional needs of the individual. Topics include: nutrients, standard and modified diets, nutrition throughout the lifespan, and client education.

**MAJOR COURSE COMPETENCIES:**

1. Nutrients
2. Nutrition Throughout the Lifespan
3. Client Education
4. Standard and Modified Diets

**PREREQUISITE(S):** Program Admission

**COURSE OUTLINE:**

**Nutrients**

1. Describe the food guide pyramid and the daily amounts needed.
2. Identify the source and functions of foods and nutrients in maintaining good health.
3. Identify food fallacies.
4. Describe the clinical signs of good nutritional status.
5. Identify the energy producing nutrients including their fuel value.

6. Calculate the energy needs of an individual based on age, sex, activity level, and health status.
7. Discuss the results of over or under consumption of kilocalories.
8. Identify the functions, sources, RDA, and classifications of carbohydrates.
9. Discuss the function of fiber including food sources.
10. Identify the functions, sources, RDA, and classifications of carbohydrates.
11. Explain the difference between saturated and unsaturated fatty acids including food sources.
12. Identify the functions, sources, RDA, and classifications of proteins.
13. Compare the effects on health of inadequate or excessive protein intake.
14. Discuss the general functions and classifications of vitamins.
15. Identify the functions, sources, RDA, and deficiency states of fat and water soluble vitamins.
16. Identify the function, sources, RDA, and deficiency states of both major and trace minerals.
17. Discuss the function, requirements, movement, and distribution of water in the body.
18. Describe mechanical and chemical digestion.
19. Describe the pathway of nutrients and the digestive processes that occur in the mouth, stomach, small intestine, and large intestine.
20. Develop a menu that includes variety and is nutritionally balanced.
21. Describe the appropriate methods for handling, storing, processing, and preparing food to conserve nutrients.
22. Promote food habits and cultural diversity by altering a standard diet to accommodate the individual.

#### **Standard and Modified Diets**

1. Define the principles of diet therapy.
2. Explain the objectives of diet therapy.
3. Identify general and special diets.
4. Serve the correct diet, appropriately, to the client.

#### **Nutrition throughout the Lifespan**

1. Examine the nutritional needs for the infant, child, pregnant, lactating, and aged individual.

#### **Client Education**

1. Demonstrate client education as it relates to nutrition and diet therapy.

**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 tests and daily assignments on the specified date. You must have your text books by the end of the first week. There will be no copies available. Students are responsible for policies and procedures in student catalog/handbook.

**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.

**For this class, which meets 2 days a week for 9 weeks, the maximum number of days a student may miss is 2 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 Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 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 Helen Thomas, (912) 538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu).

**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 (**6-29-2017**) 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, (**6-29-2017**) 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, (**6-29-2017**), 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:** 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 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 Blackboard, 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](http://www.southeasterntech.edu).

#### **GRADING POLICY**

Chapter Exams	70%
Menu Assignment	5%
Final Exam	<u>25%</u>
	100%

#### **GRADING SCALE**

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

#### **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.

**Evaluation Procedures:**

Students will be given a total of 8 written examinations throughout the semester and 1 final exam at the end of the semester.

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

Average of Exams	x 0.70 =	+ _____
Menu Assignment	x 0.05 =	+ _____
Final Exam	x 0.25 =	+ _____
		= _____
		Numerical Course Grade

**STUDENT RESOURCES:**

Williams' Basic Nutrition and Diet Therapy comes with access to free online student resources. The first several pages of the textbook will provide students with instructions for accessing the resources. To reinforce information taught in this course, students are encouraged to use the online resources provided with the textbook.

<b>AHLS 1060 Diet and Nutrition for Allied Health Sciences</b> <b>Summer Semester 2017 Lesson Plan</b> <b><u>Syllabus/Lesson Plans are subject to change at the discretion of the instructor.</u></b>				
Date	Chapter / Lesson	Content	Assignments & Tests Due	Comp Area
<b>Week 1</b>				
5/18 THU	Chapter 1-3	Introduction to Class Menu Assignment Instruction Sheet Chapter 1 The Relationship of Nutrition and Health.	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
5/23 TUE	Chapter 1-3	Chapter 2 Planning a Healthy Diet Chapter 3 Digestion, Absorption, and Metabolism	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
<b>Week 2</b>				
5/25 THU	Chapter 4-6	Chapter 4 Carbohydrates Chapter 5 Lipids or Fats Chapter 6 Proteins	<b>TEST 1 (CHAPTERS 1,2,3)</b> Read all chapters prior to class Complete all end of chapter exercises	CC 1,2,3,4 GC 1,2,3

			Study for test	
5/30 TUE	Chapter 4-6	Chapter 4 Carbohydrates Chapter 5 Lipids or Fats Chapter 6 Proteins	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
<b>Week 3</b>				
6/1 THU	Chapter 7-9	Chapter 7 Vitamins Chapter 8 Minerals Chapter 9 Water	<b>TEST 2 (CHAPTERS 4,5,6)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
6/6 TUE	Chapter 7-9	Chapter 7 Vitamins Chapter 8 Minerals Chapter 9 Water	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
<b>Week 4</b>				
6/8 THU	Chapter 10-12	Chapter 10 Food Related Illnesses and Allergies Chapter 11 Diet during Pregnancy and Lactation Chapter 12 Diet during Infancy	<b>TEST 3 (CHAPTERS 7,8,9)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
6/13 TUE	Chapter 10-12	Chapter 10 Food Related Illnesses and Allergies Chapter 11 Diet during Pregnancy and Lactation Chapter 12 Diet during Infancy	Read all chapters prior to class Complete all end of chapter exercises Study for test <b>Begin Sample Menu and Food Diary Assignment</b> <b>It is worth 5% of your grade for the course</b>	CC 1,2,3,4 GC 1,2,3
<b>Week 5</b>				
6/15 THU	Chapter 13-15	Chap 13 Diet during Childhood and Adolescence Chap 14 Diet during Young and Middle Adulthood Chap 15 Diet during Late Adulthood	<b>TEST 4 (CHAPTERS 10,11,12)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
6/20 TUE	Chapter 13-15	Chapter 13 Diet during Childhood and Adolescence Chapter 14 Diet during Young and Middle Adulthood Chapter 15 Diet during Late Adulthood	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
<b>Week 6</b>				

6/22 THU	Chapter 16-18	Chapter 16 Diet and Weight Control Chapter 17 Diet and Diabetes Mellitus Chapter 18 Diet and Cardiovascular Disease	<b>TEST 5 (CHAPTERS 13,14,15)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test <b>Menu Assignments Due next class!</b>	CC 1,2,3,4 GC 1,2,3
6/27 TUE	Chapter 16-18	Chapter 16 Diet and Weight Control Chapter 17 Diet and Diabetes Mellitus Chapter 18 Diet and Cardiovascular Disease	Read all chapters prior to class Complete all end of chapter exercises Study for test <b>Menu Assignments Due at 1PM</b>	CC 1,2,3,4 GC 1,2,3
<b>Week 7</b>				
6/29 THU	Chapter 19-21	Chapter 19 Diet and Renal Disease Chapter 20 Diet and Gastrointestinal Problems Chapter 21 Diet and Cancer <b>65 % of Semester!</b>	<b>TEST 6 (CHAPTERS 16,17,18)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
		<b>HOLIDAYS 7-3-17 – 7-6-17</b>	<b>NO CLASS</b>	
7/11 TUE	Chapter 19-21	Chapter 19 Diet and Renal Disease Chap 20 Diet and Gastrointestinal Problems Chapter 21 Diet and Cancer	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
<b>Week 8</b>				
7/13 THU	Chapter 22-23	Chap 22 Diet and Clients with Special Needs Chapter 23 Nutritional Care of Clients	<b>TEST 7 (CHAPTERS 19,20,21)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
7/18 TUE	Chapter 22-23	Chap 22 Diet and Clients with Special Needs Chap 23 Nutritional Care of Clients	Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
<b>Week 9</b>				
7/20 THU	Chapter 22-23	Review Chapters 1-23	<b>TEST 8 (CHAPTERS 22, 23)</b> Read all chapters prior to class Complete all end of chapter exercises Study for test	CC 1,2,3,4 GC 1,2,3
7/25 TUE	Chapters 1-23	<b>FINAL REVIEW</b>	Study for test	CC 1,2,3,4 GC 1,2,3
<b>Finals Week</b>				
8/1 THU	Chapters 1-23	<b>Comprehensive Final Exam</b>		CC 1,2,3,4 GC 1,2,3

**\*\*Disclaimer Statements\*\***

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

\*\*\*\*The official copy of the syllabus is located inside the student's online course shell or will be given to them

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.\*\*\*

**COURSE COMPETENCIES:** (CC)

1. Nutrients
2. Nutrition Throughout the Lifespan
3. Client Education
4. Standard and Modified Diets

**GENERAL EDUCATION CORE COMPETENCIES:** (GC)

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.

**Instructions for a Sample Menu Assignment**

(See lesson plan for due date.)

1. Choose a diet from the Diet and Nutrition Textbook. Low Fat Diet, Low Sodium Diet and Low cholesterol diet are just examples. Choose a diet that you are most interested in.
2. Complete a one-day menu including breakfast, lunch, snack and a dinner meal. Be creative and utilize concepts learned in the course. Offer variety and colorful fruits and vegetables.
3. The meals should be well balanced and not be below **1200** calories for any sample menu. Well-balanced entails providing a diet that creates a diet while also considering sodium, fat cholesterol, and fiber intake, as an example.
4. You can use your textbook or search the web for foods allowed on your chosen sample menu. Then use the myfitnesspal.com app to key in your diet. This is free on the web, or your Smartphone. Create your account and you can enter your diet for the day, don't forget to add beverages, and then print. Make sure you label it as to what diet you have chosen..ex. low sodium, low cholesterol, diabetic diets, etc. You will do the same for your 7 day food diary. I have attached an example below of what you should be turning in.

**Instructions for 7-day Food Diary**

Keep a food diary for 7 days and write down everything you have to eat and drink. Enter your daily intake into myfitnesspal.com for 7 days and print off each day. This way you will have a breakdown of carbs, cholesterol, protein, fiber, sugar, etc so you will be able to see if you are meeting the daily recommendations in your diet or if you are exceeding them. You can also keep track of any exercise you complete as well. What did you learn? 10 points will be deducted for diaries that are turned in after class time on date due.

**Grading Rubric for Sample menu and 7-day food diary**

**Sample menu breakfast/lunch/snack/dinner** – each worth a maximum of 7.5 points for a maximum grand total of 30 points

**Food Diary-** each day is worth a maximum of 10 points for a maximum grand total of 70 points

**\*\*\*Points will be deducted if instructions are not followed or if it is turned in late.**

**Minus 10 pts if turned in late (Late is after 1PM on 6-27-17).**

**Assignments will NOT be accepted after 6-29-17 at 1PM.**

**Combined total maximum grade= 100 points (worth 5% of final ALHS 1060 grade)**



<b>Sample Menu</b>	<b>Maximum points for each</b>
Breakfast	7.5
Lunch	7.5
Snack	7.5
Dinner	7.5

**Maximum Total: 30**

<b>Food Diary</b>	<b>Maximum points for each day</b>
Day 1	10
Day 2	10
Day 3	10
Day 4	10
Day 5	10
Day 6	10
Day 7	10

**Maximum Total: 70**

Example of Low Sodium Diet  
that is well balanced.

Printable Diary for Studentstc

From: April 8 2013 Show:  Food Diary  Food Notes

To: April 8 2013  Exercise Diary  Exercise notes

April 8, 2013

FOODS	Calories	Carbs	Fat	Protein	Cholest	Sodium	Sugars	fiber
<b>Breakfast</b>								
Fruit - Banana, 1 banana	110	30g	0g	1g	0mg	0mg	19g	3g
Walmart - Great Value - 1% Low Fat Milk - Grade A Vitamin A&D, 1 cup (8oz 240ml)	100	12g	3g	8g	10mg	120mg	12g	0g
Yoplait - 99% Low Fat Yogurt Strawberry Banana 6oz, 1 container	170	33g	2g	5g	10mg	85mg	26g	0g
<b>Lunch</b>								
Bumble Bee - Very Low Sodium Tuna Fish, 1/4 cup	70	0g	0g	16g	25mg	35mg	0g	0g
Triscuit - Whole Grain Wheat Crackers, Low-Sodium, 6 crackers	120	20g	4g	3g	0mg	50mg	0g	3g
Fruit - Apple Med, 1 medium (2-3/4" dia) (approx 3 per lb)	70	19g	0g	0g	0mg	1mg	14g	3g
V8 Juice - V8 Low Sodium Original 100% Vegetable Juice, 8 oz	50	10g	0g	2g	0mg	140mg	8g	2g
<b>Dinner</b>								
Naf's Homemade - Chicken Noodle Soup (Whole Wheat Pasta, Low Sodium), 1 1/2 cups	225	20g	5g	10g	0mg	300mg	0g	3g
Green Giant Cut Green Beans - Low Sodium, 1/2 cup	20	4g	0g	1g	0mg	160mg	2g	1g
Generic - Ice Tea - Unsweet - No Lemon, 12 oz	0	0g	0g	0g	0mg	0mg	0g	0g
<b>Snacks</b>								
Paul Newman's - Unsalted Popcorn, 3.2 cups	100	20g	2g	3g	0mg	0mg	0g	3g
Naked Juice - Strawberry Banana 100% Juice Smoothie, 1 container (16 fl ozs ea.)	260	62g	0g	2g	0mg	10mg	46g	0g
Fresh Fruit - Fruit Bowl (Grapes, Pineapple, Strawberry), 8 oz	116	58g	0g	1g	0mg	0mg	25g	3g
<b>TOTAL:</b>	<b>1,411</b>	<b>288g</b>	<b>16g</b>	<b>52g</b>	<b>45mg</b>	<b>901mg</b>	<b>152g</b>	<b>21g</b>