



TENTATIVE—SUBJECT TO CHANGE
Microbiology LECTURE – BIOLOGY (BIOL) 2117
ON CAMPUS (CA) COURSE SYLLABUS
Course with 60% Face to Face & 40% Online
Summer Semester 2023

COURSE INFORMATION

Credit Hours/Minutes: 3/2250

Campus/Class Location: Vidalia Campus/Health Sciences Annex (HSA) – Building C: Room 902

Class Meets: Mondays 8:05AM-11:35AM, this is a course taught on campus (CA), with 60% Face-to-Face (FTF) in class & 40% Online (OL)

Course Reference Number (CRN): 60091

Preferred Method of Contact: Email Sherry Sturgis (ssurgis@southeasterntech.edu)

INSTRUCTOR CONTACT INFORMATION

Instructor Name: Sherry C. Sturgis

Professional Bio: I received my B.S. and M.S. in Biology from Georgia Southern University, with an emphasis in Ecology. I am an Ecologist, Conservationist, and Environmental/Nature Educator. I have taught many courses in Science, especially Biology in the field of higher education. I love all aspects of Biology, especially Anatomy & Physiology.

Campus/Office Location: Vidalia Campus/Health Sciences Annex (HSA) – Building C: Room 901

Office Hours: By appointment

Email Address: Email Sherry Sturgis (ssurgis@southeasterntech.edu)

Office Phone: (912) 538-3188

Cell: (912)-531-4543, please text me first, and do not use this number unless you really need to reach me. I do not mind you contacting me by cell phone, just don't abuse the privilege.

Tutoring Hours: By appointment, I will be glad to set up a tutoring session during office hours.

This course requires students to complete a portion of the required contact hours by attending classes on campus while completing the remaining portion online as shown on the Lesson Plan. The course is taught in an on campus (CA) format. On campus (CA) classes require students to complete 60% FTF in class & 40% OL of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.

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 TEXT

1. Burton's Microbiology for the Health Sciences; Tenth Edition 1-2842-4253-6; Engelkirk and Burton: Copyright 2011.
2. Introductory to Microbiology 2117 Lab Workbook – First Edition (available in bookstore only)

REQUIRED SUPPLIES & SOFTWARE

3-hole binder, clear front report-cover (make sure it is sturdy and can hold 100 pages or more), colored pencils, ink pens, highlighter, and any other supplies deemed necessary by instructor.

Ink pens, highlighters, and any other supplies deemed necessary by the instructor.

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

Provides students with a foundation in basic microbiology with emphasis on infectious disease. Topics include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, microorganisms and human disease.

MAJOR COURSE COMPETENCIES

1. Microbial Diversity
2. Microbial Cell Biology
3. Microbial Genetics
4. Interactions and Impact of Microorganisms and Humans
5. Microorganisms and Human Disease

PREREQUISITE(S)

BIOL 2113 and BIOL 2113L OR BIOL 1111 and BIOL 1111L

COREQUISITE(S)

BIOL 2117L

COURSE OUTLINE

Microbial Diversity

1. Explain characterization of organisms, including viruses, bacteria, prions, fungi, and protozoa.
2. Classify organisms.

Microbial Cell Biology

1. Summarize the morphology of bacteria.
2. Explain the fine structure of bacteria.
3. Identify common gram negative and gram positive bacteria.
4. Describe bacteria with unusual properties and complex morphology.
5. Describe bacterial growth.
6. Explain the replication of bacteria.
7. Explain the replication of viruses.
8. Describe the various types of energy production.
9. Understand the metabolic diversity of microbes.

Microbial Genetics

1. Describe the cause, consequences and uses of mutations.
2. Explain genetic transfer and recombination.
3. Identify applications of biotechnology.

Interactions and Impact of Microorganisms and Humans

1. Describe factors that affect the ability of the host to resist infection.
2. Describe host innate or natural defense mechanisms.
3. Discuss innate host defenses that offer resistance to microorganism establishment.
4. Discuss adaptive host defenses that offer resistance to microorganism establishment, including antibody formation, active and passive immunity, and natural and acquired immunity.
5. Differentiate between innate and acquired immunity.
6. Discuss the disorders of the immune system.
7. Discuss principles of epidemiology.
8. Explain portals of entry for pathogenic agents.
9. Describe the evasion mechanisms of the pathogen.
10. Describe the indirect and direct disease transmission methods.
11. Discuss the effects of immunosuppressive drug therapy, concurrent disease, and aging on the host-parasite relationship.
12. Discuss the methods by which various antibiotics and chemotherapeutic agents affect microorganisms.
13. Discuss practical applications of various disinfection and sterilization procedures.
14. Evaluate sterility testing procedures.

Microorganisms and Human Disease

1. Identify the causative agents for the major microbial diseases for each of the following systems: respiratory, digestive, genitourinary, integumentary, cardiovascular, nervous, and lymphatic.
2. Describe the symptoms and treatment for the major microbial diseases for each of the body systems.
3. Discuss the methods of control and prevention of disease.
4. Discuss and describe emerging infectious diseases and their ramifications on human health.

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

In order for students to be successful in this class, students should study a minimum of 2 hours per credit hour each week (minimum of 8 hours). Before arriving for class, students should read assigned chapters taking special note of bold-faced vocabulary terms and any study questions within the chapter. All assignments and work must be completed by due dates in the schedule. Failure to comply with these suggestions will make it impossible to understand and follow the lecture material and will result in a student being unsuccessful in this course. Students should read and study the chapter material daily and keep up to be successful in the course.

Students are responsible for the policies and procedures in the STC Catalog and Handbook. Additionally, during exams, students are to place all notebooks, bags, and other belongings on the floor or on the counters located in the back and sides of the classroom. During examinations students are to be seated with one empty chair between each student. No talking is permitted once the exams are handed out. Students are not allowed to leave the room during an exam (with their cell phone). Students need to go to the bathroom prior to the exam. The instructor will make an exception for emergencies. **Students found with their cell phone, or any other personal communication device (including smart watches) will be considered cheating and given a zero for the exam. This includes taking out a phone or similar device after the student has completed the exam but while others in the classroom are still testing.**

Students are expected to always exhibit professional behavior. Each student is to show respect and concern for fellow students and for the instructor. Insubordination will not be tolerated, and disciplinary measures will

be enacted.

As students taking this course are striving to become healthcare professionals, they will be expected to follow certain healthcare program rules. This includes but is not limited to: proper dress (when in lab setting or other activities in class), no perfumes or strong fragrances, cleanliness (hands, clothes, hair), and effective communication skills.

Per STC policy no cell phones are allowed in hallways or in classrooms. If your phone must be with you it must be turned off and in a bag. In cases of emergency when a student needs his or her phone, he or she is expected to 1) notify the instructor before class begins and 2) leave the phone on silent (NO VIBRATE) while they are in the class (this excludes examination guidelines for phones). No personal calls are to be taken during class, regardless of the situation. This should be handled before or after class.

No eating or drinking is permitted in the lab or lecture classroom. Water is allowed if it is in a spill-proof container and must be kept under the desk or on the sides of the classroom.

TRADITIONAL 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: [Emily Jarrell \(ejarrell@southeasterntech.edu\)](mailto:ejarrell@southeasterntech.edu), 478-289-2259, 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.

Swainsboro Campus: [Emily Jarrell \(ejarrell@southeasterntech.edu\)](mailto:ejarrell@southeasterntech.edu), 478-289-2259, Building 1, Room 1210.

Vidalia 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 missed assignments.

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 the 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.

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.

EVALUATION PROCEDURES

In order to sit for the final exam in this course a student must maintain a Lecture Exam and Lab Exam average of 70.0 or above prior to the date of the scheduled final exam. Exam averages of 69.9 will not be rounded up. If a student has below a 70.0 average, the student will be given a letter grade based on the exam average. There will be no drop grade for lecture or lab exams. **All lecture exams will take place in seat.**

MAKEUP GUIDELINES (EXAMS, QUIZZES, HOEMWORK, PROJECTS, ETC.)

Students will be allowed to make-up **one** examination (one lecture and one lab), **EXCLUDING** the final examination, due to an extenuating circumstance. This should be discussed with the instructor. Please submit official copy of medical, court documentation/jury duty, or any other formal written documents supporting the reason for missing a test. **Any other exam missed will result in an automatic grade of zero.** All make-up exams will be conducted face to face (FTF) on the scheduled date. Students have one week from the missed exam date to make-up the exam. The make-up date must be approved by the instructor. If this time period is not met, students may take a missed exam at the end of the semester, although this exam will not be the same exam as given to the class. It will consist of 20 short-answer questions only.

Lecture Examinations: Students will be allowed to make up one lecture examination (excluding the final exam), due to a documented, excused absence approved by the instructor. Any subsequently missed lecture exam will result in an automatic zero.

Lecture Assignments: Late assignments will be accepted but not for full credit. Assignments submitted after the due date will incur a 15% deduction per week late.

Group Case Study Project: Projects are due the date your group agrees upon, unless there is an emergency. If a group member fails to show up, they will receive a zero as a grade. If a student decided not to work with the

assigned group, they must discuss this with the instructor. Failure to do so, will result in a zero for the project. A student cannot decide to go out on their own and complete the case project alone and change their topic, etc.... This must be discussed beforehand with the instructor. A student who does not do their fair share with the project will receive a zero. Students having any issue with the project assignments, MUST discuss this with the instructor. This must be address early, not at the end of the semester.

ASSIGNMENTS

Students are required to read each chapter and study daily. This is a challenging class with a lot of material. You can fall behind very easily in this course. You must also complete learning objectives for each chapter. This will help you absorb the information. Learning objectives can be found on the M-Drive and in Blackboard. All completed learning objectives should be submitted by the deadline on Blackboard in the appropriate drop box. See the weekly schedule for the deadlines. Your instructor may also give you assignments related to the material throughout the course, you may complete these and hand it to the instructor or email it. Some in class assignments may be due at the end of the class period. Please contact the instructor if you have any questions regarding assignments.

GROUP CASE STUDY PROJECT/PRESENTATION:

Dental Students will be placed in groups to work on Case Studies pertaining to Dental Program and Health Science/Nursing student will be placed in groups to work on Case Studies pertaining to Health Science. Students will work in small groups (2-4 people/group) and give an educational presentation to the class on a case study provided by the Instructor. Presentations should be 15-20 minutes long. Please ensure presentations are within time limit. Points will be deducted for exceeding 20 minutes or presenting for fewer than 15 minutes. Students are required to include a visual aid. This can be in the form of short video clips. If video clips are utilized, no more than two video clips are to be used and these are not to exceed 3-4 minutes each. Points will be deducted for additional video clips and for combined clips that use more than 8 minutes of presentation time.

Group members should have equal participation for this project. The week before presentations, the instructor will ask all group members for feedback on equal participation. Feedback on equal participation includes but is not limited to the following: participating at group meetings, corresponding or communicating in a timely manner with group members to provide information on assigned portion of project and providing pertinent information regarding assigned portion of project.

Group Case Study presentations will not be accepted late. No exceptions. A copy of the case study must be emailed to the instructor one week prior to their presentation date.

Dental Hygiene Skill Evaluations (see Lab syllabus and Lesson Plan for details)

Attendance is mandatory for the following laboratory sessions: **June 12, June 20, and July 10**. Three skill evaluations will be completed: Midmark M-11, Statim, and Ultrasonic Cleaner. Students must achieve 100% on each skill evaluation. Students will be allowed two attempts to reach 100% competency. If 100% competency level is not achieved on the first attempt, a remediation plan will be assigned. The remediation plan must be completed prior to the second/final attempt of the skill. The remediation plan will be based on feedback from the instructor and student. The remediation plan will contain the skill deficiencies and the instructions for completion of the remediation.

The student will begin with a 30-point deduction if a second/final attempt is necessary. The following list of attempts illustrates the grade that will be issued for the first and second/final attempts.

First Attempt = 100 is the grade for 100% competency

Second/Final Attempt = 70 is the grade for 100% competency

If a student fails to achieve 100% on the skill evaluation at the end of the second/final attempt, the student will be assigned a grade of "0" (zero) for the skill evaluation. The student will also be

assigned an "F" for the final course grade, and the student will not be allowed to proceed in the dental hygiene program. [PLEASE DOWNLOAD FORMS FROM M. DRIVE TO TAKE WITH YOU ON SKILL EVALUATION DAYS.](#)

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 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" (zero) for the test or assignment. Instructor keeps a record in course or 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 Web 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" (withdrawn Failing) has been issued as a result of second offense. The Registrar will input the incident into Banner Web for tracking purposes.

3. Third Offense

Student is given a grade of "WF" (Withdrawn Failing) 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" (Withdrawn Failing) 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

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law). The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

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

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

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
Lecture Exams	50%
Group Case Study Project/Presentation	10%
Learning Objectives & In Class Assignments	10%
Final Exam	30%

GRADING SCALE

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

DISCLAIMER STATEMENT

Instructor reserves the right to change the syllabus and/or lesson plan as necessary. The official copy of the syllabus is located on the STC M-Drive and will be discussed on the first day of class. The syllabus displayed in advance of the semester in any location is for planning purposes only.

Microbiology – BIOL 2117 – LECTURE
Summer Semester 2023 Lesson Plan
 Subject to change at instructor's discretion.

Date/Week	Chapter/Lesson	Content Assignments & Exams (Due Dates)	Competency Area
05/15	Ch 1: Microbiology – The Science Ch 2: Viewing the Microbial World Ch 3: Cell Structure and Taxonomy	In-Class Activity Lectures, In-Class Assignments & Activities, Exams, and Group Presentations Online Activity Learning Objectives (LO) must be completed and placed in the appropriate drop box in Blackboard by the due date. <ul style="list-style-type: none"> • Introductions • Learning Objectives (LOs) 1-3. Due 5-22 • Distribution of Group Case Study Presentations Dental Hygiene and Nursing 	CC 1-4 GC 1-3
5/22	Ch 4 & 5: Microbial Diversity: Part 1/2 Ch 6: The Biochemical Basis of Life Ch 7: Microbial Physiology and Genetics	<ul style="list-style-type: none"> • Learning Objectives (LOs) 4-6. Due 6-5 • Work on Group Case Study Presentation 	CC 1-4 GC 1-3
5/29	Memorial Day Holiday	No Class	
06/05	Ch 8: Controlling Microbial Growth In Vitro Ch 9: Inhibiting the Growth of Pathogens Ch 10: Microbial Ecology and Biotechnology	Lecture Exam 1: Ch 1-5 <ul style="list-style-type: none"> • Learning Objectives (LOs) 7-9. Due 6-12 • Work on Group Case Study Presentation • Discussion Board (DB) 1 Due 	CC 1-5 GC 1-3
06/12	Ch 11: Epidemiology and Public Health Ch 12: Healthcare Epidemiology Ch 13: Diagnosing Infectious Disease	Lecture Exam 2: Ch 6-10 <ul style="list-style-type: none"> • Learning Objectives (LOs) 10-13. Due 6-26 • Work on Group Case Study Presentation 	CC 1-5 GC 1-3
06/19	Holiday-No Class	n/a	n/a
06/26	Ch 14: Pathogenesis of Infectious Disease Ch 15: Nonspecific Host Defense Ch 16: Specific Host Defense Mechanisms Ch 17: Overview of Infectious Disease	Lecture Exam 3: Ch 11-15 <ul style="list-style-type: none"> • Learning Objectives (LOs) 14-18. Due 7-10 • Work on Group Case Study Presentation • Group Case Study Presentation should be near completion • Discussion Board (DB) 2 Due 	CC 1-5 GC 1-3
07/03-06	Summer Break, Fourth of July Holiday	No class	

Date/Week	Chapter/Lesson	Content Assignments & Exams (Due Dates)	Competency Area
07/10	Ch 18: Viral Infections Ch 19: Bacterial Infections	<ul style="list-style-type: none"> • Learning Objectives (LOs) 19-21. Due 7-17 • Review with group – Group Case Study Presentation 	CC 1-5 GC 1-3
07/17	Ch 20: Fungal Infections Ch 21: Parasitic Infections Group Case Study Presentations: DAY 1 Dental Hygiene groups and Nursing groups. Review for final exam	Lecture Exam 4: Ch 16-19 <ul style="list-style-type: none"> • See rubric guidelines and Lesson Plan for details and grading policy on Case Study Presentation. • Discussion Board (DB) 3 Due • Review for final exam 	CC 1-5 GC 1-3
07/24 Last day of class 07/26-27 Final exams	FINAL EXAMS – ALL CHAPTERS Group Case Study Presentations -DAY 2 Lecture Exam Make-Up Day	FINAL EXAMS CHAPTERS 1-21 , (Includes Ch 20 & 21). See syllabus for make-up exam criteria	CC 1-5 GC 1-3

COMPETENCY AREAS:

1. Microbial Diversity
2. Microbial Cell Diversity
3. Microbial Genetics
4. Interactions and Impact of Microorganisms and Humans
5. Microorganisms and Human Disease

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.

Dental Hygiene MICROBIOLOGY Case Study

Group Project Requirements

Students will work in small groups (2-3 people/group) and give an educational presentation on a Case Study in Dental Hygiene. Each member will participate in the research process, presentation and discussion.

EVALUATIONS

Case Study in Nursing/Related Fields: _____

Group Members: _____

Possible Points/Section	Criteria for each section	Instructor Comments	Points Earned
Introduction/Background (25 points possible)	The presenter(s) introduced Case Study by providing: introduction, past dental history, background/health history and note from editor.		
Diagnosis & Treatment (25 points possible)	The presenter(s) provided adequate information on their disease or disorder's: symptoms, diagnosis, treatment methods/plans, assessment and any Dental Hygiene Educational Intervention.		
Ongoing Research (25 points possible)	The presenter(s) adequately summarized outcome assessment, discussed current efforts to improvement, prevention, and self-care practices.		
Overall Presentation Quality & Group Participation (25 points)	All group members appeared to have contributed equally. The group's preparation, delivery, and use of visual aids all were both interesting and informative. Multiple choice questions were discussed and group conducted question/answer session after presentation.		
			Total Points:

