BIOS 3000

**Survey of Medicine**

**Tuesday and Thursday 3:00-4:15, Stamps Health Services Room 230**

**Instructor Information**

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| Instructor | Email | Office Hours & Location |
| Gregory Moore, MD | Gregory.moore@health.gatech.edu | SHS Women’s clinic by appointment |
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**Description**

This course will approach a variety of medical topics through case studies, lectures, discussions and workshops stressing thinking, problem-solving, and communication skills. Content focuses on scientific, social, and cultural aspects of illness, how perceptions and behavior influence disease, as well as concepts and fundamental aspects of medical diagnosis and treatment. Cases will focus on ways in which cognitive and perceptual processes influence the student’s understanding of health and illness. Biological, psychological, social and cultural differences influencing well-being will be addressed. Each week a new case or issue will be presented along with a discussion on related anatomy, physiology, and pharmacology. Discussion will focus on specific details of each case.

## Pre- &/or Co-Requisites

BIOS 1107 AND (BIOS 1107L OR BIOS 1207L) or BIOL 1510 or BIOL 1511 and CHEM 2311 or CHEM 1315.

## Course Goals and Learning Outcomes

1. Demonstrate an understanding of the scientific, social, and cultural aspects of a variety of diseases and conditions.

2. Demonstrate an understanding of ways in which psychological, social and biological factors influence perceptions and reactions to the world.

3. Demonstrate understanding of fundamental aspects of the practice of medical diagnosis and treatment.

4. Develop critical analysis and reasoning skills (comprehension, evaluation, application and incorporation of information) focused on critical thinking, complex problem-solving, written and oral communication, and applied knowledge in real-world, medically related settings.

**Course Requirements & Grading**

There are no exams. A 1-2 page paper will be assigned most weeks. At least 10 papers must be submitted. The grade on each paper will make up 1/10 of 75% of the final grade. Additional papers can be submitted and the 10 papers with the highest grade will be used. 25% of the final grade is based on class participation.

**Extra Credit Opportunities**

There are no extra credit opportunities.

**Description of Graded Components**

Papers (using Word) are due (electronically) prior to the start of Tuesday’s class. Class participation will be graded on the value your participation brings to the group.

**Grading Scale**

Your final grade will be assigned as a letter grade according to the following scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 0-59%

**Course Text**

None

## Additional Materials/Resources

As assigned

## Course Website and Other Classroom Management Tools

Since this is a small seminar, communication will be done in person and by email

## Course Expectations & Guidelines

* I expect you to attend every class session. The components are highly interrelated; missing a class will detract from the learning potential of subsequent sessions.
* I expect you to be in the classroom and prepared to begin work at the scheduled starting time for each session.
* I expect you to actively participate in the discussions. Your mere presence in class will not satisfy the class participation requirement.
* I expect you to submit papers using proper English grammar, syntax, and spelling. You are encouraged to use spell check and grammar check prior to submitting your written work. Grammar, syntax, and spelling will account for 10% of the grade for written work. Papers must be analytical; that is they must offer a clear and arguable thesis or claim and they must include coherent, cohesive, organized and developed support of that thesis. That support must include pertinent, varied and well-integrated research.
* I expect (and encourage) you to provide honest and timely feedback regarding the content and progress of this course throughout the semester.
* I expect you to share in the responsibility for making this course an enjoyable and beneficial learning experience for all.
* Wikipedia cannot be used as a cited reference as noted by a co-founder of Wikipedia. You may use Wikipedia to identify appropriate source material. Remember Wikipedia is not peer reviewed!

## Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. For information on Georgia Tech's Academic Honor Code, please visit http://www.catalog.gatech.edu/policies/honor-code/ or <http://www.catalog.gatech.edu/rules/18/>.

Any student suspected of cheating or plagiarizing on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

## Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services at (404)894-2563 or <http://disabilityservices.gatech.edu/>, as soon as possible, to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

## Attendance and/or Participation

Attendance is not specifically required, but 25% of grade is based on class participation. Active participation is required, simply attending class is not sufficient. Let instructor know when you will be absent from class.

## Collaboration & Group Work

Group projects will be assigned for some topics along with a written assignment. Active collaboration is encouraged, but papers must be the student’s own work.

## Extensions, Late Assignments, & Re-Scheduled/Missed Exams

One letter grade for papers will be deducted for each 24 hour period the paper is late starting at 3:00 PM on Tuesdays. Point deduction starts at 3:01 PM. Notify instructor when you will miss a class or be late to a class.

## Student-Faculty Expectations Agreement

At Georgia Tech we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See <http://www.catalog.gatech.edu/rules/22/> for an articulation of some basic expectation that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

## Student Use of Mobile Devices in the Classroom

Appropriate use of electronic devices is expected. Your use of an electronic device however, should serve to enhance the class discussion.

## Campus Resources for Students

Students at Tech have often had little experience writing at the college level. This is a writing intense course. Assistance from a writing tutor at the Communications Center @ <http://www.communicationcenter.gatech.edu/> is strongly encouraged.

**Course Schedule**

A new and often unrelated topic will be presented each week. The list of class topics below is from previous years. Topics will likely will be edited/modified according to availability of guest instructors, current events, class preferences and available time.

Geriatrics, Medical Ethics, Influenza, Patient Competency, HIV, Concussions, Headache, Cardiology, Women’s health, Electrocardiograms, Eating Disorders, Vaccination, Healthcare Policy, Asthma, Travel Medicine, Transgender patients, Hypertension, Zika virus, Ebola virus, Marijuana, Organ donation, Poisoning, Biological/Chemical warfare, Basic Life Support, Medical response to disasters, Advance directives, Cancer.