Instructor: Christina Branch, PMDC
Jama Cochrane, MS, PMDC

Course Description:
Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.

Credit Information:
The Georgia Department of Education has approved an embedded course credit for the Career and Technical Education for Essentials of Healthcare Science (1.0 credit) and Human Anatomy (1.0 credit). Students who earn one unit of credit for the Essentials of Healthcare course will receive one unit of credit for Human Anatomy and Physiology. The Essentials of Healthcare course meets the fourth science requirement for high school graduation and meets the fourth science requirement for admission to the University System of Georgia and the Technical College System of Georgia. The Essentials of Healthcare course will be counted as a core science course and the Human Anatomy and Physiology course will be counted as an elective science course. Students will still be required to complete Biology, Chemistry, and Physical Science or Physics as their other three science requirements. The same course grade assigned to the Essentials of Healthcare will be assigned to the Human Anatomy and Physiology course.

Prerequisite/Pathway:
The prerequisite for this course is Introduction to Healthcare. Students successfully completing the first two years of the pathway will have third-year options which currently include Emergency Medical Responder and/or Allied Health and Medicine.

Course Objectives:

HS-EHS-1: Employability Skills
HS-EHS-2: Organization of the Human Body
HS-EHS-3: Integumentary System
HS-EHS-4: Cardiovascular System
HS-EHS-5: Respiratory System
HS-EHS-6: Musculoskeletal System
HS-EHS-7: Urinary System
HS-EHS-8: Reproductive System
HS-EHS-9: Nervous System
HS-EHS-10: Endocrine System
HS-EHS-11: Digestive System
HS-EHS-12: Lymphatic System
**Evaluation:**
Formative Assessments (classwork, quizzes, & online module assignments/quizzes): 40%
Summative Assessments (career development, written exams, and major projects): 40%
Final Exam: 20%

**Career Development:**
Students are encouraged to continuously work toward their career goals. Career development points are designed to reinforce CTE standard one, Employability Skills. Points may be demonstrated through class and CTSO activities such as medical reading and research, fundraisers, community service projects, CTSO meetings, and other activities. Career development opportunities are announced daily in class and on the google classroom site. Career development will be individually recorded on monthly point sheets. Earned points may be applied to a future month within the semester, but will *not* be awarded retroactively. Please read the Career Development Points: Frequently Asked Questions sheet for additional information.

**Labs/Lab Attire:**
Labs are hands-on learning experiences. Lab skills include topics such as maintaining a sterile field, proper patient movement techniques, CPR, and first aid. Students may be excluded from a lab activity due to behavior that could result in injury or not wearing appropriate attire. On lab days, are required to wear a shirt that covers the same area as a t-shirt (as worn by most adults). It is preferred that the student wears long pants, but modest shorts (“golf” shorts/ “Bermuda” shorts) are permissible. Skirts are not allowed on lab days. No dangling jewelry may be worn. Shoes must be closed-toe and rubber soled with a non-skid surface. High heels, sandals, bare feet, and cowboy boots are prohibited. **Students not dressed appropriately will not participate and will receive a zero for that day’s lab grade.**

**Class Procedures**
- Arrive and be seated before the bell rings: “early is on time, on time is late, and late is left.”
- Take personal ownership of your learning experience: “ask three, then me.”
- Put away any personal electronics, food, or drink before entering class: “if I see it, I will take it.” Confiscated electronics will be turned into the office and appropriate disciplinary action taken.
- Come to class prepared with all needed supplies and materials.
- Respect yourself and others.
- Choose safe behaviors.

Please see the Fulton County Student Code of Conduct & Discipline Handbook at http://www.fultonschools.org/en/divisions/acd/supportserv/Pages/StudentDiscipline.aspx

**Virtual Class/Social Media:**
The HSTE program uses various technologies and Internet tools to facilitate learning. Students are expected to act professionally and appropriately when using these resources. Inappropriate actions by students in these environments will be treated the same as if it happened in class and can result in school discipline. Students must be vigilant in protecting their passwords. Claiming someone else did something will not be a valid excuse for reducing responsibility; the responsibility will fall on the account holder. Please refer to county policies regarding technology use for additional regulations.
Media Release:
The Healthcare Science program is active in many community events; activities are frequently published in local newspapers, newsletters, and publications. Students are often photographed, interviewed, and quoted for use in such media. Please contact the instructor with any questions or concerns.

Throughout the school year the Fulton County School District and local schools will conduct activities that may be publicized through local or national news media. With parental consent (available on syllabus sign off form) the Fulton County School District may use or publicly display a child’s photograph, video image, or audio clip on the District’s Web site(s), individual school Web pages, or in other official District publications without further notice. The District will have the right to crop, edit, or treat the photograph, video, or audio clip at its discretion. Parents also agree to participation in any publicity activities for events sponsored by the District. Such activities may include but are not limited to: interview sessions with news reporters; photographs for newspapers or various School District publications including newsletters, calendars, and brochures; videotaping for local and national television newscasts, cable programming, and School District promotional videos.

Safety:
This course will involve frequent hands-on practical sessions. Appropriate safety procedures and techniques will be discussed prior to each activity. Deviance from these procedures at any time will result in automatic exclusion from that practical session, and a written project will be assigned. Repeat violations will be managed on an individual basis. General safety guidelines are as follows:

1. Be attentive to the instructor/supervisor.
2. Maintain a professional attitude at all times while refraining from horseplay of any type.
3. Be aware of any hazards in the classroom/lab or healthcare clinical facility, such as broken equipment, wet floors, or other hazards and report them immediately to the instructor/supervisor.
4. Only handle medical equipment and supplies with permission from the instructor/supervisor. Only handle equipment/supplies that appear to be safely maintained and after ensuring a safe environment for usage.
5. Only practice/perform a specific skill once you have received instruction and permission from the health care instructor.
6. Check with your instructor/supervisor if any clarification is needed in safely performing a procedure once you have been checked off on a skill.
7. ALWAYS use standard precautions. This includes the use of any personal protective equipment such as gloves, gown or mask.
8. Report any accident, no matter how minor, immediately to the instructor/supervisor.

Make-up Work:
Students should check google classroom daily, including when absent, to stay up-to-date on work and announcements. Makeup sessions for online module work, quizzes, and exams are held on Tuesdays before and after school. Students must submit a makeup “purple” form in advance to attend a session. Students have ten days from the end of a unit to attend a makeup session for any work assigned during that unit. Modules will NOT be re-opened after the unit’s ten-day timeframe has ended.
**Recovery Plan/Honor Code:**
Refer to the 2019-2020 recovery plan and honor code for the policy.

**Media:**
The program uses various videos, DVDs, audio tapes, programs, and similar media that may contain profanity, nudity, and/or gruesome images as a part of the class; some movies may be rated R. While all efforts are made to minimize such material, it can prove extremely useful for addressing some course content (such as an autopsy video). Never is such material used in a gratuitous manner. Parents are encouraged to express any concerns with the instructor in writing.

**End of Pathway Assessment:**
The End-of-Pathway assessment measures the level of technical skill attainment of each career pathway completer. The End-of-Pathway assessments will be administered to all CTE students who have finished or are finishing a pathway. The Essentials year does not have an EOPA.

**Georgia Best Skills and Portfolio:**
Students in the Health Science pathway develop a portfolio that meets the standards of the Department of Labor Georgia BEST program. Students will complete rating sheets throughout the year to assess personal growth and achievement on the Georgia Best standards. Upon completion of the pathway, names of qualifying students will be submitted to the Department of Labor for issuance of student certificates.

**Method of Instruction:**
Lecture, hands-on skill sessions, guest speakers, computer programs, interactive online modules, multimedia presentations, handouts, videos/DVDs.

**Class Website:**
Individual classrooms may be found at classroom.google.com. Students are expected to visit the virtual classroom daily for updates, announcements, assignments, and postings.

**Textbook:**
Students will have access to aeseducation.com—the interactive, self-paced course modules are used for the bulk of the course material; textbooks are available in class as an extra reference. Students should attend class with a charged surface pro (or equivalent) in order to make full use of class time.

Diversified Health Occupations, 8th Ed.
Class set available for sign-out: replacement cost for textbook: $132; workbook: $56.95

**Conference/Help Sessions:**
Tuesdays before and after school, or by appointment
branchc@fultonschools.org / E-31
cochranej@fultonschools.org / F-40