**Human Biology BSC 1020 (3 credit) Mrs. Derousie: bethanyderousie@sjrstate.edu**

**Dual Enrollment College Credit**: BSC 1020 along with co-requisite BSC 1020L fulfill four of the eight General Education hours in the science area. Through **St. Johns River State College.**

**SAFETY FIRST!** This class includes a major laboratory component. You will be required to have a signed Student Safety Contract on file. Improper behavior and/or disregard for safety procedures will result in dismissal from the laboratory and a discipline referral written (safety violation).

**Brief Description of Course.** This is a course designed for students not majoring in biology. It includes study of the human body’s major organ systems and processes. Human diseases, their prevention, treatment and the bioethical issues they raise will be considered. This course is not designed to fulfill requirements for allied health students. Students may use either BSC 1020 or BSC 2085 to fulfill general education science requirements.

**Student Learning Outcomes (SLOs)**

A. The student will demonstrate their knowledge of biochemistry and biochemical processes occurring in the human body.

B. The student will demonstrate their knowledge of cell structure and function and body systems.

C. The student will describe the biological basis of health, nutrition and disease.

D. The student will demonstrate knowledge of genetics, inheritance and genetic diseases.

**Textbook** : Biology of Humans, 5th edition Goodenough

**Blackboard.** Student will need to have access to Blackboard. Textbook and Discussion assignments are to be submitted through Blackboard

**Academic integrity statement.** *Students in this class must know, observe, and not compromise the principles of academic integrity. It is not permissible to cheat, to fabricate or falsify information, to submit the same academic work in more than one course without prior permission, to plagiarize, to receive unfair advantage, or to otherwise abuse accepted practices for handling and documenting information. The grade for this course includes the judgment that the student’s work is free from academic dishonesty of any type. Violations or infractions will be reported to the Vice President for Student Affairs and may lead to failure of the course and other sanctions imposed by the College.*

**Attendance policy.** When the equivalent of three 50-minute class periods have been missed (regardless of the reason) the instructor may withdraw the student from the course after the fourth 50-minute absence.  Students will be sent an official attendance warning through the online Early Alert system before being withdrawn by an instructor.

**Disability services statement.** *Students with disabilities who require a note taker or other accommodations should notify their instructor as soon as possible so those accommodations can be coordinated with the appropriate office.  Students who would like to be a note taker should notify their instructor as well.*

**Class Rules. All school rules apply (pay particular attention to the RHS 5 “Absolutes”).**

## Do not do anything that endangers the health and safety of yourself or others.

(ex. not following lab protocols, not using equipment properly, adjusting gas lines, etc.)

## Do not do anything that can interfere with the education of yourself or others.

(ex. cheating (copying homework or test answers), not coming prepared to class, disrupting class, etc.)

**Classroom Procedures.** LATE WORK WILL NOT BE ACCEPTED. You are given the due dates at the start of the semester, and allowed to turn assignments in early. If you “think you will be sick on a due date” you will need to turn the assignment in early or e-mail it before class time on the day it is due.

**Grading Policy**

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| The grading scale is.  A = 90-100  B=80-89  C=70-79  D=60-69  F <60 | **Unit packets (25pts).** The unit packet consists of   * Textbook questions * Online Discussion * In-class discussions   **Unit TESTS (50pts)** Includes all material covered in the specified unit.  **Better Living Through Science (BLTs) Notebook (75pts)**  **Final Exam (75pts)** Cummulative Final includes all material covered in class. |

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| **Unit** *(deadlines/test dates)* | **SLO** | **Blackboard** | **+** | **Tests** | = | **Total** |
| **1. Studying Health claims for scientific validity and Human Development**  Chapters:1, 1a, 18, 18a *(1/23)* | C | 25 | **+** | 50 | **=** | 75 |
| **2. Cellular Biology**  Chapters: 3, 19, 19a, 21a  *(2/10)* | ABCD | 25 | **+** | 50 | **=** | 75 |
| **3. Public Health**  Chapters: 13, 13a, 17a  *(2/27)* | ABC | 25 | **+** | 50 | **=** | 75 |
| **4. Reproductive Choices**  Chapters: 17,20  *(3/10)* | ABCD | 25 | **+** | 50 | **=** | 75 |
| **5. Physical Fitness**  Chapters: 5, 6, 12, 12a, 14  *(4/10)* | ABC | 25 | **+** | 50 | **=** | 75 |
| **6. Aspects of Nutrition and Detoxifying Organs**  Chapters: 2,15,15a,10a,16  *(4/28)* | AC | 25 | **+** | 50 | **=** | 75 |
| **7. Mental Health & Final Thoughts**  Chapters: 7-9  *(5/12)* | ABC | 25 | **+** | 50 | **=** | 75 |
| **BLT: Better Living Through Science Notebook**  *(5/12)* |  |  | **+** |  | **=** | 75 |
| **Final:** optional, replaces lowest Unit Grade  *for calculations, cross off lowest unit and replace with Final Exam Grade (if higher)*  *(5/15)* | | | | | | ***75*** |
| **Grade =** | | | | | | **600** |

**Standard Weekly Schedule**

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|  | **Monday** “Office Hours” | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| **3rd Period** | for individual attention  -Pre-grading for Labs,  -Tutoring, -Review Tests  if not requiring individual assistance  -study groups  -assignment completion time | Lecture | Lab Report/Handout/Quiz Due | Lab Procedure | Lecture |
| **Break** | Use restrooms, eat snack, go to lockers, etc. Still return before tardy bell. | | | |
| **4th Period** | Discussion | Introduce next Lab, begin Lab | Lab Procedure | Discussion |

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| **3rd Quarter** |