

15512 HUMAN BIOLOGY/FORENSICS (BIOLOGICAL ANTHROPOLOGY)

This standards based elective course will examine human biological topics including evolution, reproduction, growth and development, human systems, adaptations, diseases and disorders, aging and death, and forensics. These topics will be addressed in an applied and connected manner. This year will expand on many topics in forensics including: overview, specialties, lab work, and applications.

TEXTBOOK:

There is no textbook for this course. Readings will be distributed throughout the semester.

STUDENT EXPECTATIONS:

- Demonstrate the ability to apply information to solve problems and make decisions.
- Demonstrate the skills needed for the productive use of technology.
- Demonstrate the ability to work cooperatively to solve problems.
- Demonstrate preparedness for class.

TARDINESS POLICY

Students who are late for class will receive one warning. After the first warning, the students will be assigned detention. Detention may be assigned without 24 hours notice. Students who are chronically late for class can expect a call to their parents and/or a referral to their office.

GRADING SYSTEM

Grades will be based on the following percentage scale:

A+ = 97-100%	B+ = 87-89%	C+ = 77-79%	D = 60-69
A = 93-96%	B = 83-86%	C = 73-76%	F = below 60%
A- = 90-92%	B- = 80-82%	C- = 70-72%	

Term Grades for this class will be based on the following components:

Formative Assessments:	40%
Labs/Projects:	20%
Homework:	15%
Assignments:	10%
Quarterly Exam	15%

GRADING SYSTEM (continued)

Formative Assessments

Examinations

Students will demonstrate understanding of course material by completing examinations that will be a combination of open response and objective questions. Students who have an excused absence will be able to make up the exam the day they return to school. Students who have an unexcused absence will not be permitted to make up the exam.

Quizzes

Students will have scheduled and unscheduled quizzes. Students who have an excused absence will be permitted to make up the quiz the day they return to school. Students who have an unexcused absence will not be permitted to make up a quiz.

Labs and Projects

Students will demonstrate their comprehension of material with student based inquiry assignments in the form of labs and projects. Students will be required to work as directed and follow instructions. Follow up questions and lab reports will also be part of this grade.

Homework & Class Assignments

Students must complete all In Class and Homework Assignments. Students must follow instructions and remain on-task when completing In Class Assignments. In addition to In Class Assignments, students will be given homework on a regular basis. When completing homework, be sure to follow directions and turn in neat work. Homework is due at the beginning of class. No homework will be accepted at the end of class. Late work will not be accepted unless there is an **excused** absence (see attendance policy). It is your responsibility to remember to give me any missing assignments.

Attendance:

Students are required to bring a note from a parent or guardian, a doctor or court to excuse an absence. Missed work due to absences must be made up within one week of the student's return to school.

Special Accommodations:

Students with special needs must arrange accommodations with the teacher. Please do so by the end of the 1st week of school. Students wishing to meet for tutoring, help on assignments, or to make-up tests or labs throughout the term, should make arrangements as needed with the teacher. You may not miss another course to come to my class.

CLASS RULES, PROCEDURES & CONSEQUENCES

Respect is a two-way street. The purpose of my classroom rules is to ensure that we have an atmosphere that is safe and is favorable to learning.

1. Be ready to learn, keep an open mind
2. Respect yourself, your classmates, and your teacher
3. No eating in class

The consequences of not following the rules above will depend upon the infraction and its severity.

Most consequences will begin with a warning. If continued, you will be asked to stay after school for me. If you do not show up for the after school detention with me, I must write you up and you will receive a school detention which lasts much longer than mine.

If the infraction involves blatant disrespect (this could include damage of any physical property, emotionally hurtful behavior, physically harmful behavior, or inappropriate verbal behavior), the consequences could include a written referral to your vice-principal's office, or being sent immediately to your grade office. At that point, the vice-principle will then decide on the actual consequence, which could range from detention, in-school suspension, out of school suspension, Saturday School, to expulsion. It is my sincere hope that with all of us working together to reinforce our rules and no one will need to be written up for this type of offense.

Simply put, be courteous to your fellow classmates. Please don't ruin the class for the others.

COURSE SCOPE AND SEQUENCE

This is the planned syllabus for course topics. The forensic topics will include forensic specialties, forensic labs, forensic applications and legal and ethical forensic issues and will be interspersed throughout the year. This schedule may change, and students will be notified in advance of any changes.

TOPICS:

1. Introduction to Biological Anthropology
2. Primatology and Human Biology
3. Basics of Evolution
4. Evidence for Human Evolution
5. Genetics
6. Life Cycle of Humans
7. Homeostasis and Diseases in Humans
8. Human Variation
9. Forensic Anthropology
10. Forensics (in italics)

TERM 1

WEEK	DATE	TOPIC
1	9.8 – 9.9	How do I succeed in this course?
2	9.12 – 9.16	What is Anthropology?
3	9.19 – 9.23	What do Anthropologists do?; TEST 1
4	9.26– 9.30	<i>What is Forensic Science?</i>
5	10.3 – 10.7	Why should we care about monkeys?
6	10.10 – 10.14	What are the different types of primates?
7	10.17 – 10.21	How are we related to monkeys?; TEST 2
8	10.24 – 10.28	Q1: Review and Wrap Up
9	10.31 – 11.4	<i>What happens to our bodies when we die?</i>
10	11.7– 11.11	<i>Are maggots good for anything besides snacks?</i>

TERM 2

WEEK	DATE	TOPIC
11	11.14 – 11.18	How does evolution work?
12	11.21 – 11.25	How are traits passed down? (Short Week)
13	11.28– 12.2	What do I know about genetics?; TEST 1
14	12.5 – 12.9	<i>How is DNA used in Forensics?</i>
15	12.12 – 12.16	How do we know that evolution exists?
16	12.19 – 12.23	Who are the cavemen?
17	1.2 – 1.6	Is my uncle really a caveman?
18	1.9 – 1.13	TEST 2; What are our stages of life?
19	1.16 – 1.20	Q2: Wrap up and Review
20	1.23 – 1.27	How do I go from a zygote to an adult?

TERM 3

WEEK	DATE	TOPIC
21	1.30 – 2.3	What happens when we get old?
22	2.6 – 2.10	TEST 1; How can lipstick solve a crime?
23	2.13 – 2.17	<i>How can fingers and teeth solve a crime?</i>
24	2.27 – 3.2	<i>How can body fluids solve a crime?</i>
25	3.5 – 3.9	What is epidemiology?
26	3.12 – 3.16	What are different disease types? TEST 2
27	3.19 – 3.23	<i>What do ballistic specialists do?</i>
28	3.26 – 3.30	Q3: Wrap up and Review
29	4.2 – 4.6	How are humans different from each other?

TERM 4

WEEK	DATE	TOPIC
30	4.9 – 4.13	What is Race?; TEST 1
31	4.23 – 4.27	<i>How accurate is Silence of The Lambs?</i>
32	4.30 – 5.4	What is Forensic Anthropology?
33	5.7 – 5.11	What are the names of our bones?
34	5.14 – 5.18	What can the bones tell us?
35	5.21– 5.25	TEST 2; Review for Senior Final
36 & 37	5.28 – 6.8	<i>What are some other ways to solve crimes?</i>
38 & 39	6.11 – 6.19	Q4: Wrap up and Review

Dear Parents/Guardians:

My name is Patrick Lee, and I will be your child's Human Biology/Forensics teacher for this school year. I am looking forward to having a great year of learning and discovery. Attached to this notice you will find a copy of the syllabus. This syllabus contains important information about the course, including scope and sequence and grading policies. Please take a few moments to read these pages and ask your child to read them with you. Please sign below to indicate that you have received these documents and understand what is required of your child in my biology class this year. Your cooperation is greatly appreciated.

I look forward to meeting you at Durfee's Open House night. Until then, if you have any questions, feel free to email me at plee@fallriverschools.org and I will get back to you as soon as I can.

Please sign and return this page.

Sincerely,

Patrick Lee

I _____ (print student name) have read the classroom policies and procedures and the grading policy sheet for Mr. Lee's Biology class. I understand the rules and the consequences for breaking them. I have shown these documents to my parent or guardian.

Student's signature _____ Date _____

I _____ (print parent name) have received the classroom policies and procedures and the grading policy sheet from my child. I have read these notices and I understand what is expected from my child. I also understand that my child's failure to comply with the rules will have consequences.

Parent's / Guardian's Signature _____ Date _____

Please enter an email address so I will be better able to keep you informed of student progress.
