



Phone: 713-688-1361

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Forensic Science:

Course Syllabus 2021-22

Instructor: Mr. Ernesto Gonzalez

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Room: 3204

Office Hours: Monday, Tuesday, Thursday (8:30 – 9:10 A.M.)

Course description:

This is a Senior Level course. We will explore key topics including the application of scientific processes to forensic analysis, procedures and principles of crime scene investigation including physical and trace evidence and evidence analysis. Students will learn about forensic tools, technical resources, forming and testing hypothesis, proper data collection, and produce responsible conclusions. This course applies the many disciplines of science, such as, biology/anatomy, chemistry, and physics to solving crimes. With the support of the teacher students will be better equipped to finding solutions to real-life applications.

What students will see throughout this class:

- Students will utilize scientific terminology, principles and investigative processing which will prepare them for college and university laboratory science courses, as well as in technical fields.
- Students will strengthen their communication skills through maintenance of a properly documented e-method, individual and group research reports, experimental reports and oral presentations.
- Students will utilize computer and advanced technology tools to assist in detecting and collecting evidence, experiment simulations, analyzing the data, research and to develop online references.
- Students will investigate careers in Forensic Science and other related fields.

Class-Time Procedures:

1. **RESPECT – COMPLETE ASSIGNMENTS ON TIME – BE ENGAGED**
2. **Student must be engaged and participate as per the teacher’s instructions. Phone use is allowed during class time only if it is the main source of connection to the class. Otherwise, phone is no longer needed nor allowed. All other times, students use laptops.**
3. **Students are required to wear masks at all time and keep the safe distance protocol allowed.**
4. **Use of the laptop and internet should follow teacher’s instruction. Laptops must be charged the night before.**
5. **Students must Be productive and participate in class, ask questions, actively participate in class activities, laboratory exercises, and projects to pass the course.**
6. **Distractions during class is not allowed. Any distractions will be addressed immediately, and students will be re-directed. This is a Senior-level course, and a Senior-level behavior is EXPECTED.**

Penalties for choosing not to follow procedures:

As Seniors, the 1, 2, 3 Rule is implemented to correct any deviance from the EXPECTED.

1. **Upon first failure to comply, a student-teacher conference is held.**
2. **On Second failure to comply, parents are contacted, and a record is kept under Parent Contact folder in school.**
3. **On Third failure to comply, the student is referred to the Principal to face consequences.**

Grades:

Tests/Projects/labs	40%
Classwork/assignments	30%
Quizzes	20%
Class Participation:	10%

How Grades are earned:

- Students will earn 2-3 Grades per week. By end of each Cycle the students will have completed at least 12 grades.
- Complete and turn in work on HUB on time, as specified by ME.
- Late work has a Grace period of 3 days. If work is turned in after the posted deadline, 10% will be deducted from each assignment for each day the work is late up to 3 days max. After day 3, student chooses to give up opportunity for a grade and the student will earn a 0 for that assignment.
- Not to worry if one assignment is earned a 0. Students will have at least 11 more opportunities to bring grade up before the end of each cycle. Remember, there are 6 cycles in the year, with at least 12 grades per cycle.

Remember, Forensic Science course moves at a rapid pace, for it is a Senior-Level Course. Keep up with the class to succeed. Grades are earned, not given to student.

There is no retake for tests.

Academic Dishonesty: As Seniors, students are aware being dishonest leads to failure in class and in life.

Fire Alarm/Fire drill:

At the sound of a fire-alarm we will leave the classroom silently. Take the staircase in front of classroom and our destination is the parking lot in front of school, #12. Once at our destination, attendance is called promptly. Conduct is penalized for not following protocol.

Topics to be covered:

Professional Standards and Employer Expectations, Forensic Science and Career Options, Using Scientific Methods and Reasoning, Evidence Collection, Processing and Analyzing Trace Evidence, Impression Evidence, Blood Spatter Analysis, Toxicology Laboratory Procedures, Serology Laboratory Procedures, Analyzing DNA, Identifying Drugs, Bullet and Tool Mark, impressions, Questioned Document Analysis, Anthropology and Forensic Science, Decomposition of the Human Body...

Agreement Statement: Forensic Science with Mr. Gonzalez, 2021-2022

Student Name, Assigned Seat, and Class period:

Parent/Guardian Name:

Contact Phone Number:

Contact email: _____

I have read, understood, and discussed the classroom rules and procedures with my son/daughter, and understand the grading policy, expectations, and other information provided on the syllabus.

Student Signature: _____

Parent Signature: _____

Date: _____