

Course: Forensic Studies 25 School: Fairview High School School Year: 2022-2023, Semester 1 Teacher: Mr. John Abwe Room: 21 School website: fairviewhs@prsd.ab.ca	<u>Contact information</u> Email: abwej@prsd.ab.ca Availability: Monday-Friday during regular school hours. Note: If you have trouble with any concepts, please contact me right away by email. Google Classroom class code: maud4qf
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Course Overview:

Forensic science 25 applies basic scientific knowledge to the investigation of crimes. This is a three credits course which focuses on some techniques and practices used by forensic scientists during Crime Scene Investigation (CSI). Students explore and understand further how various elements of the crime scenes are analysed and processed.

Disclaimer:

A central component of this course involves the analysis of realistic scenarios and case study. The course might have some controversial and sensitive components which may include, among others:

- ✓ Blood photographs and simulated blood experiments
- ✓ Discussion of semen analysis and the use of rape kits
- ✓ Examination of alcohol and substance abuse and use

Suggested timeline:

Forensic 25 has five modules. We will spend approximately 7 classes on each module.

Module 1: Types of Evidence and Fingerprint Analysis

Topics:

- ✓ Types of physical evidence
- ✓ Fingerprint patterns
- ✓ Latent fingerprint enhancement
- ✓ Case study

Module 2: Trace Evidence

Topics:

- ✓ Collecting evidence
- ✓ Microscopic evidence of Hair
- ✓ Fibre analysis
- ✓ Case study

Module 3: Body Fluid Evidence

Topics:

- ✓ All about blood
- ✓ Blood evidence
- ✓ Other body fluid evidence
- ✓ Case study

Module 4: Forensic Detection of Impaired Driving

Topics:

- ✓ Alcohol and its effects upon human body
- ✓ The breathalyzer
- ✓ The intoxilyzer and consequences of impaired driving
- ✓ Case study

Module 5: Polygraphing and Document Analysis

Topics:

- ✓ Stress indicator and the polygraph instrument
- ✓ The polygraph examination
- ✓ Forensic writing analysis
- ✓ Case study

Evaluation:

Summative evaluation will comprise assignments, projects, activities, labs as well as a quiz for each module. Your final mark will be based on the following:

- ✓ Assignments, projects, activities, and labs: 50%
- ✓ Module exams: 50%

Course materials:

- ✓ There is no required text or special materials for this course.
- ✓ Students should bring a pen/pencil.

General expectation:

Students are expected to:

- ✓ Come to class on time with all necessary materials
- ✓ Respect the teacher, other students and all the school staff members
- ✓ Participate in all class activities and follow classroom rules and procedures
- ✓ Attend all mandatory PULSE sessions scheduled by the school which run as regular classes
- ✓ Be responsible for catching up on missed classwork due to absence
- ✓ Turn off their phones and leave them in their lockers
- ✓ Be dismissed by the teacher, not the bell

Plagiarism:

Cheating will not be tolerated. This could include, but not limited to, the following:

- ✓ Tendering another's work as your own
- ✓ Downloading information from the internet and not citing it
- ✓ Cutting, copying, and pasting from documents not your own
- ✓ Paraphrasing another's writing and not citing it
- ✓ Submitting work that you have already received a grade for in another course



Have a great semester and have fun!