



Forensic Science

35 (5 credit) Course Outline 2023-2024

Forensic Science 35 (5 credit) is offered as an **independent learning** course at the Learning Centres. Students can optimize their learning experience through in-person interactions, Google Meets, phone calls, texts, and email communication with their teacher. Throughout the duration of the course, teachers will collaborate with students to formulate a personalized timeline for their academic journey. This tailored approach to scheduling aims to accommodate each student's unique learning pace, goals, and commitments, fostering an environment of flexibility and empowerment.

Course Objective:

Forensic Science 35 is a five-credit course intended for students who have successfully completed Forensic Science 25. Forensic Science is the application of scientific principles, methods, and techniques for the purpose of solving debates including legal proceedings. Through the study of forensic science, students are given the opportunity to explore how scientific concepts from a variety of disciplines (biology, chemistry, and physics) apply specifically to this unique field. This course will promote the importance of scientific literacy and problem solving techniques.

Accessing Content and Required Course Work

Students will complete the course by working through modules. Modules are comprised of lessons which include various resources that allow the student to actively engage in the learning process. Course content and resources are provided online through the **Forensic Science 35 (5 credit) Google Classroom**. Before you ask for help on the assignment, be sure to review all available resources on the course Google Classroom. Students require their unique first name.last name@edu.sturgeon.ab.ca account for course completion.

Progression Through Course Sequences

Successful completion of Forensic Studies 25. There are no prerequisites for mature students. A mature student, for Alberta High School Diploma purposes, is one who as of September 1 of the current school year, is 19 years of age or older; or the holder of a previously-awarded high school diploma from the province of Alberta; or an equivalent high school diploma from a jurisdiction acceptable to the Minister.

DISCLAIMER:

Due to the graphic nature of the course material and its basis on real events, this course may not be suitable for everyone. This course includes discussions on substance abuse, rape, and semen analysis. It involves experiments using simulated blood made from household materials and contains blood photographs. Please do not enrol if you find these topics objectionable or offensive.



Course Content: The course

content includes forensic anthropology, forensic entomology; forensic toxicology; ballistics; police protective equipment; police dogs; arson investigation; criminal profiling; investigation process; and footwear, tire, and tool mark impressions.

NOTE: Forensic Science 35 (5 credit) is an expanded version of the 3 credit course. Students cannot earn credits in both courses.

There are 11 modules in Forensic Science 35 (5 credits).

| Module Number | Module Title |
|---------------|---|
| 1 | The Investigation Process |
| 2 | Law Enforcement Equipment |
| 3 | Forensic Anthropology/Forensic Entomology |
| 4 | Autopsies |
| 5 | Police Canines |
| 6 | Forensic Toxicology |
| 7 | Environmental Toxicology |
| 8 | Arson and Explosives |
| 9 | Forensic Ballistics |
| 10 | Footwear, Tire and Tool Mark Impressions |
| 11 | Criminal Profiling |

It is important to use the **module coil as a guide** to ensure that you are utilizing all of the resources available when completing course work.

Evaluation: Your Forensic Science 35 (5 credit) mark is based on completed course work for all eleven modules and a final exam.

| Assessment Component | Overall Weighting |
|-------------------------|-------------------|
| Module Assignments (11) | 70% |
| Final Exam | 30% |

| Study Sheet |
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| Students are permitted access to a single-sided, 8 ½ by 11 STUDY SHEET for the final exam. |

NOTE: There are eleven (11) modules in Forensic Science 35 (5 credit) so each module assignment is worth approximately 6.4%.



A schedule of module due dates will be set up with your teacher as part of your registration. Timelines vary from student to student, depending on when you start the course and how well you grasp the material presented. Keep in mind that in a typical high school classroom, students receive approximately 80 minutes of class time everyday for an entire semester.

Marks can be viewed on PowerSchool. Pay attention to comments included with your marks. This could mean there are things that your teacher would like to review with you before finalizing the mark on the assignment. Take the time to come see your teacher and discuss what must be completed or redone. Note: due to course deadlines, corrections will need to be completed in a timely manner as determined by you and your teacher.

Additional Information and Expectations

All students and staff are expected to treat each other with respect. For more information, please refer to our website: www.sturgeonlearning.ca.

