

Introduction to Forensic Science

Grades: 8th – 11th
Day of Week: Tuesday
Time of Class: 1:00 – 2:30 pm ET
Length of Class: 20 weeks
Semester: Fall & Winter
Tuition: 400.00

High School Credit: 1 Lab Science

Class Dates:

Week 1 – Week of August 29

Week 2 – Week of September 5

Week 3 – Week of September 12

Week 4 – Week of September 19

Mid-Semester Break – Jewish High Holidays

Note: ALL the Jewish Holidays fall during the week this year and the way they hit there is an extra-long mid-semester break. Teachers will be giving a long-term project for students to work on during this time.

Week 5 – Week of October 24

Week 6 – Week of October 31

Week 7 – Week of November 6

Week 8 – Week of November 14

Week 9 – Week of November 28

Week 10 – Week of December 5

Make-Up Week – Week of December 12

Week 11 – Week of January 9

Week 12 – Week of January 16

Week 13 – Week of January 23

Week 14 – Week of January 30

Week 15 – Week of February 6

Week 16 – Week of February 13

Mid Semester Break: Week of February 20 – President's Day

Week 17 – Week of February 27

Week 18 – Week of March 6

Week 19 – Week of March 13

Week 20 – Week of March 20

Make Up Week – Week of March 27

Instructor's Name: Sarah Pope
Instructor's Email: sarah@ebbingtides.com
Instructor's Phone: (757) 567-4601
Instructor's Whats App: (757) 567-4601

Description of Class:

This is an introductory course in all things Forensic Science. Students will sharpen their sleuthing skills by applying deductive reasoning to weekly “crime files”, discover various career pathways in forensic science, as well as, form a solid foundation in blood splatter analysis, dactylography, forensic pathology, botany and entomology.

Class Approach:

This course is designed to give students a broader understanding of what a forensic scientist does. Through hands on labs, internet quests, and job shadowing opportunities, students will take an interactive approach to online Forensic Science.

Goals:

Using case studies, online simulations, at home labs, videos and readings, students will gain a deeper understanding of forensic science.

Textbook:

The teacher will provide a PDF file of
Forensic Science: Fundamentals and Investigation.

Students who wish to purchase the book may do so using the following ISBN:

Forensic Science: Fundamentals and Investigation.

Student Edition ISBN 13: 978-0-538-44586-3

Student Edition ISBN 10: 0-538-44586-6

Additional Supplies/Resources Needed:

- Webcam
- Headset/with microphone
- Printer
- writing utensils and paper
- Notebook or binder
- Scissors & glue
- Video recording capabilities (webcam or mobile device can be used)

Most of the items needed for labs are everyday items you may already have in your kitchen. Some materials include:

- Ink pad
- Red paint
- Balloons
- Flowers

- Shoes

- Mud

Weekly Homework:

Expect at least 2 hours of homework per week, including readings, graphing, labs, and questions.

Homework Policy:

All homework is expected to be completed by the due date.

Quizzes and graded online assignments are developed using homework questions.

Additional Policies:

Attendance and participation during class and discussions is expected of all students.

Evaluation:

Weekly quizzes and labs will be assigned.

Grading Scale:

Weekly assignments	25%
Labs	25%
Quizzes	25%
Projects	25%

Anticipated Weekly Course Schedule:

Week	Topic
Week 1	Introduction to Forensic Science
Week 2	Fields of Forensic Science
Week 3	Observation Skills & Deductive Reasoning
Week 4	CSI Team
Week 5	Types of Evidence & Evidence Collection
Week 6	Fingerprints 101
Week 7	Fingerprint Analysis Lab
Week 8	Hand Writing Analysis
Week 9	Death: Manor, mechanism, & Cause
Week 10	Forensic Pathology

Week	Topic
Week 11	Forensic Entomology
Week 12	Blood
Week 13	Blood Splatter Lab
Week 14	Forensic Anthropology
Week 15	Forensic Botany
Week 16	Glass Evidence
Week 17	Fibers & Textiles
Week 18	Guns, bullets & trajectory
Week 19	Crime Solving
Week 20	Class Presentations