



**Bow Valley
College**

Course Outline

JUST2104

Introduction to Forensic
Science

Fall 2021 - Current

Last Updated: 6/2/2021 2:15:23 PM

Care has been taken to obtain copyright permission to reproduce this material. Any information that will enable Bow Valley College to obtain copyright clearance for any material not acknowledged would gladly be received by:

Bow Valley College
345 6th Avenue SE
Calgary AB T2G 4V1
Attn: Copyright Officer
email: copyright@bowvalleycollege.ca

© Bow Valley College

JUST2104 Introduction to Forensic Science**COURSE DESCRIPTION**

This course explores the history of forensic science, and the role forensics play in contemporary investigations in the Canadian criminal justice system. Learners will focus on crime scene management and processing, using a wide variety of forensic techniques, for a many different types of evidence.

REQUISITES	None
EQUIVALENTS	None
CREDITS	3
HOURS	45
ELIGIBLE FOR PLAR	No

**COURSE LEARNING
OUTCOMES**

Bow Valley College is committed to ensuring our graduates can demonstrate their abilities in key areas that will make them effective citizens and encourage their development as lifelong learners. In addition to the discipline-specific skills that learners acquire in their programs, the College has identified ten learning outcomes.

College-Wide Outcomes:

1. Communication
2. Thinking Skills
3. Numeracy and Financial Literacy
4. Working with Others
5. Digital Literacy
6. Positive Attitudes and Behaviours
7. Continuous Learning
8. Health and Wellness Awareness
9. Citizenship and Intercultural Competence
10. Environmental Sustainability

#	COURSE LEARNING OUTCOME(S)	COLLEGE WIDE OUTCOMES SUPPORTED
---	----------------------------	---------------------------------------

1	Discuss the history of and current role of forensics in police investigations.	1, 2, 7
2	Describe legal statutes and case law involved in forensic investigation.	1, 2, 4, 7, 9
3	Demonstrate effective crime scene management and processing through the application of: crime scene documentation, evidence detection, and proper exhibit collection.	1, 2, 4, 6, 7
4	Appraise a crime scene to select the appropriate personal protective equipment for personal safety, as well as crime scene and exhibit security.	1, 2, 8
5	Evaluate various types of evidence and forensic techniques used to locate or develop evidence.	1, 2, 4, 6, 7

COURSE MODULES AND SCHEDULE

**Course schedule subject to change, depending on delivery mode and term of study. For exact dates, please consult the Course Offering Information in Brightspace.*

WEEK/HOURS MODULES

Week 1	Introduction & Historical Landmarks in Forensics
Week 2	Forensics in the Canadian Criminal Justice System
Week 3	Personal Protective Equipment, Crime Scene Hazards, & Crime Scene Documentation
Week 4	Crime Scene Documentation, & Friction Ridge Impression (Fingerprint) Evidence
Week 5	Friction Ridge Impression (Fingerprint) Evidence
Week 6	Bloodstain and DNA evidence
Week 7	Midterm Exam
Week 8	Hair & Fiber Evidence & Physical Match
Week 9	Footwear Impression Evidence
Week 10	Firearms Related Evidence
Week 11	Reading Week
Week 12	Introduction to Forensic Anthropology and Forensic Entomology
Week 13	Forensic Laboratories
Week 14	Case Study & Review
Week 15	Final Exam

ASSESSMENT

COURSE

LEARNING ASSESSMENT OUTCOME(S)

WEIGHT

1, 3, 4, 5	Learning Activities	20%
1, 2, 5	Research Paper	10%
2, 3, 4, 5	Practical Assignments	30%
1, 2, 3, 4, 5	Written Exam	20%
1, 2, 3, 4, 5	Practical Exam	20%

Important: For details on each assignment and exam, please see the Course Offering Information.

PERFORMANCE STANDARDS

A minimum grade of D is required to pass this course. However, a program may require a higher grade in this course to progress in the program or to meet specific program completion requirements.

Please consult with the program area or contact the program chair for further details. A minimum Grade Point Average of 2.0 is required for graduation.

GRADING SCHEME

Grade	Percentage	Grade Point	Description
A+	95-100	4.0	Exceptional: superior knowledge of subject matter
A	90-94	4.0	Excellent: outstanding knowledge of subject matter
A-	85-89	3.67	
B+	80-84	3.33	
B	75-79	3.0	Very Good: knowledge of subject matter generally mastered
B-	70-74	2.67	
C+	67-69	2.33	

C	64-66	2.0	Satisfactory/Acceptable: knowledge of subject matter adequately mastered
C-	60-63	1.67	
D+	57-59	1.33	
D	50-56	1.0	Minimal Pass
F	Less than 50	0.0	Fail: an unsatisfactory performance

REQUIRED LEARNING RESOURCES

Beaudoin, A., Guillemette, D., & McMullen, L. (2020). *Essential Guide to Crime Scene Intervention*. Editions Andre Fontaine.

Additional learning resources may be found in the Course Offering Information or in Brightspace.

ADDITIONAL INFORMATION

Additional information may be found in the Course Offering Information or in Brightspace.

ACADEMIC ACCOMMODATIONS

Learners with a disability (learning, physical, and/or mental health) may qualify for academic and exam accommodations. For more information, or to apply for accommodations, learners should make an appointment with Accessibility Services in the Learner Success Services (LSS) Department. Accessibility Services can also assist learners who may be struggling with learning but do not have a formal diagnosis. To make an appointment visit LSS on the first floor of the south campus or call 403-410-1440. It is the learner's responsibility to contact Accessibility Services and request academic accommodations. For more information, please visit our website at <http://www.bowvalleycollege.ca/accessibility>.

INSTITUTIONAL POLICIES

Bow Valley College is committed to the highest standards of academic integrity and honesty. Learners are urged to become familiar with and uphold the following policies: Academic Honesty (500-1-7), Learner Code of Conduct, Procedures and Guidelines (500-1-1), Learner Appeals (500-1-12), Attendance (500-1-10), Grading (500-1-6), Academic Continuance and Graduation (500-1-5), and Electronic Communications (300-2-13). Audio or video recording of lectures, labs, seminars, or any other teaching and learning environment by learners is allowed only with consent of the instructor as part of an approved accommodation plan. Recorded material is to be used solely for personal study and is not being used or distributed without prior written consent from the instructor.

Turnitin:

Students may be required to submit their course work to Turnitin, a third-party service provider engaged by BVC. Turnitin identifies plagiarism by checking databases of electronic books and articles, archived webpages, and previously submitted student papers. Students acknowledge that any course work or essays submitted to Turnitin will be included as source documents in the Turnitin.com reference database, where it will be used solely to detect plagiarism. The terms that apply to a student's use of Turnitin are described on Turnitin.com.

Online Exam Proctoring:

Examinations for this course may require proctoring through an online proctoring service. Online proctoring enables online exam taking within a controlled and monitored environment, thereby enhancing academic integrity. Online proctoring may occur through a variety of methods, including but not limited to:

- a. live online proctoring where a remote invigilator authenticates identity and observes completion of an exam using specialized software and recordings;
- b. automated proctoring where the exam session is recorded and AI (artificial intelligence) analyzed;
- c. browser lockdown that limits access to other applications, websites, copying, printing, screen capture and other functions; or
- d. a combination of both live/automated proctoring and browser lockdown.

Course instructors will review recordings, analyses, and data obtained through online proctoring for academic integrity infractions. It is the student's responsibility to meet the technical, software, location, and identity verification requirements necessary to enable online proctoring.

Further details of these policies are available in the Academic Calendar and on the Bow Valley College website, bowvalleycollege.ca.

Learners are encouraged to keep a copy of this course outline for future reference.