

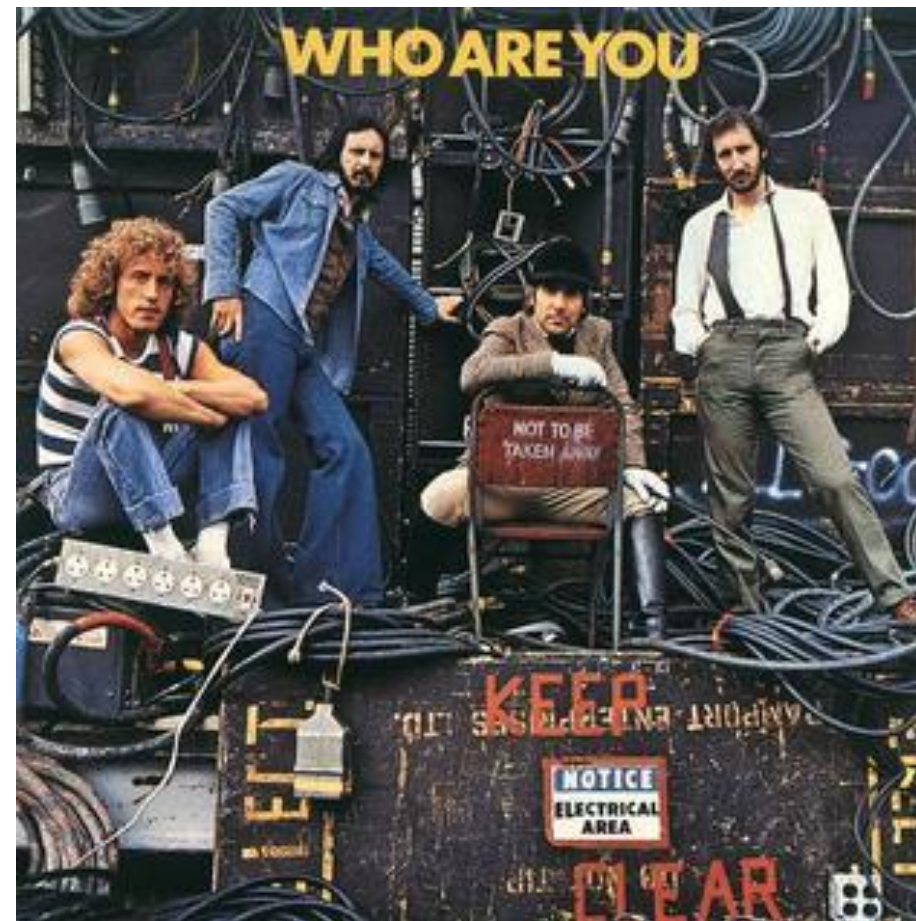
FRSC1011H B

INTRODUCTION TO CRIME SCENE INVESTIGATION

Instructor: Professor Barry Saville

Office: C246 Health and life Sciences

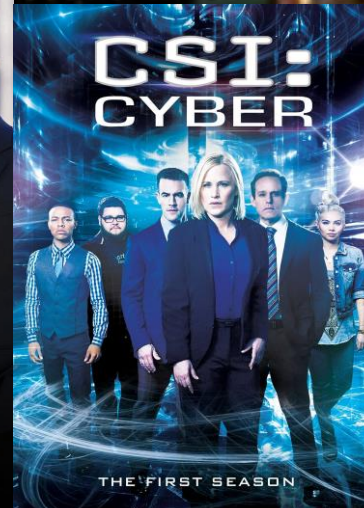
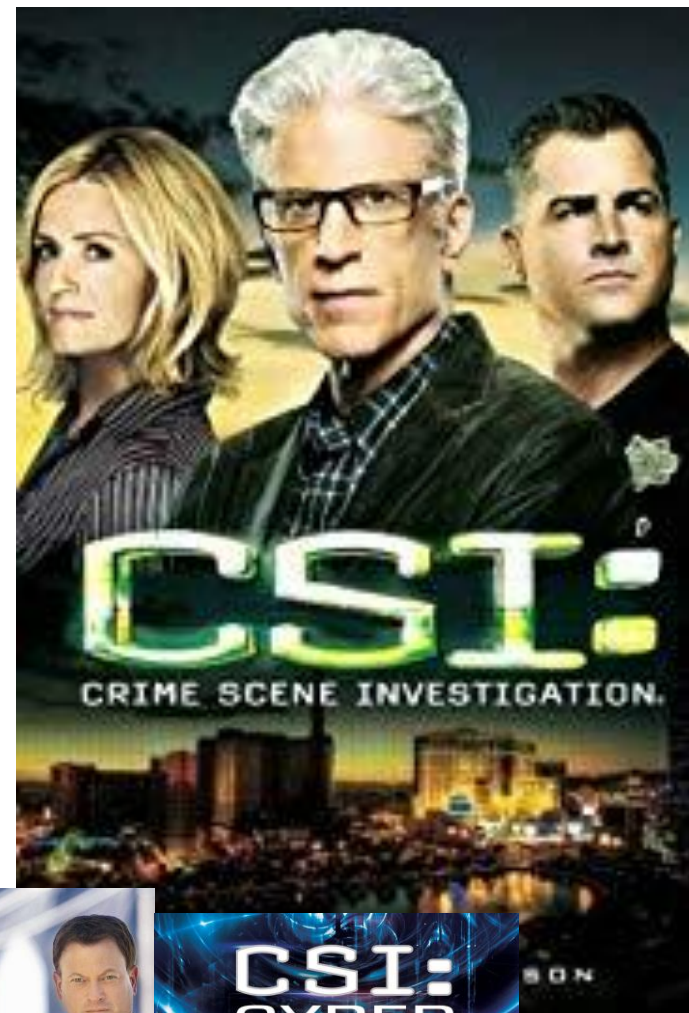


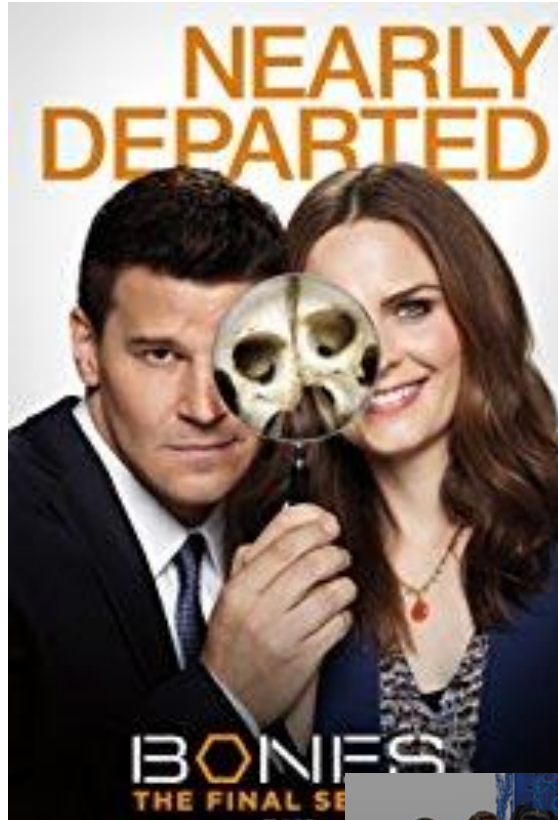


The Who: Released 1978



CSI: 2000-2015





TV Shows vs Reality

- ⦿ Forensic Analysis does not happen quickly meaning crimes are not solved in an hour
- ⦿ Funding for forensics is tight so the rapid answers TV investigators receive from forensic labs is nearly impossible to replicate given the tremendous number of cases forensic labs must handle

FRSC 1011HB Introduction to Crime Scene Investigation

- ◉ Instructor: Barry Saville PhD
- ◉ Email Address: barrysaville@trentu.ca
- ◉ Office: LHS C246
- ◉ Office Hours: Tuesdays 10am-12:00 noon or by appointment
- ◉ Lectures SC137: MON 14:00 -14:50, THU 08:00 - 08:50
- ◉ Labs: See <http://www.trentu.ca/timetable/>

Note Taker Request

- ◎ "Student Accessibility Services has requested a student notetaker for this course. If you can share your notes, your volunteerism will be documented with a letter at the end of the course and will appear on your Co-Curricular Record."
- ◎ Potential volunteers can register to become a notetaker by signing up online through the **SAS Portal** on MyTrent. Once a volunteer has logged into MyTrent, they can find the SAS Portal in the '*Support*' tab under '*Academic Support*'. Once inside the SAS Portal, they can follow the link for '*Volunteer Notetaker sign-up, login & upload*'.

Course Policies

- ⦿ Audio recording of the lecture is restricted to personal use only
- ⦿ All quizzes and the midterm exam will be online so students will need to find computers that appropriately accommodate their needs
- ⦿ Due to the nature of the course and the group assignments we cannot accommodate assignment extensions

FRSC 1011

- ⦿ TAs: TBA
- ⦿ Lab Demonstrator: Adrian Borlestean
- ⦿ Academic Administrative Assistant: Lori Hunter
- ⦿ Email Address: forensicscience@trentu.ca
- ⦿ Phone Number: 7200
- ⦿ Office: DNA Building Block B, B111

Assignments This Week:

Note Taking

- Online note taking assignments 1, 2 and 3 will ONLY be available online from January 6 at 8 am to January 10 at 11:59 pm.
- SAS student accommodations are included
- In person labs start the week of January 20th
- All students must have a hardbound notebook

Intro CSI: Syllabus

- **Course Description:**
- This course is designed to introduce students to forensic science and its interdisciplinary nature through an exploration and examination of the forensic application of science in the spheres of government, police, legal and industry. This course will provide the student an opportunity to learn the theories of applying scientific methods in a practical setting. The primary focus of the course will be the discovery, identification, collection and processing of “evidence”. This practical experience will continue with the use of such collected evidence in subsequent mock trials

Learning Outcomes Expected

- Be knowledgeable of the basic elements of crime scene investigation. The student will develop an understanding of the professional culture of the field and the interdependency of the professions involved.
- Be aware of the common forensic science disciplines. This will be gained through lectures, laboratory assignments and by reading the required text.
- Be able to comprehend how the scientific method is implemented in relation to existing and emerging forensic techniques and their validation.
- Be able to apply learned skills to actual scene examination and processing, to obtain “mock” court experience as a forensic “expert” as well as to apply research techniques in a lab setting

TEXT BOOK

- ① <https://console.pearson.com/enrollment/a1qkv6>
- ① It's time to access Revel Forensic Science: From the Crime Scene to the Crime Lab, 4e, the course materials for FRSC 1011H-B Get started by going to:
<https://console.pearson.com/enrollment/a1qkv6>

Revel

- ⦿ <https://console.pearson.com/enrollment/a1qkv6>
- ⦿ It's time to access Revel - Forensic Science: From the Crime Scene to the Crime Lab, 4e, the course materials for FRSC 1011H-A Get started by going to:
<https://console.pearson.com/enrollment/a1qkv6>
- ⦿ Kaylan will tell you how to get access at the end of this lecture

Readings Linked to lectures

- ⦿ NOTE THE ORDER OF LECTURES AFTER READING WEEK MAY BE ALTERED BASED ON GUEST LECTURER AVAILABILITY
- ⦿ Jan 6, 9 Overview and Course Requirements, Introduction to Crime Scene Investigation (Ch 1)
- ⦿ Jan 13,16 Securing/Searching the Crime Scene (Ch 2); Crime Scene Photography (Ch 3)
- ⦿ Jan 20, 23 Fingerprints (Ch 8)

Readings Linked to lectures (con't)

- ◉ Jan 27, 30 Collection of Crime Scene Evidence (Ch 4); Physical Evidence (Ch 5)
- ◉ Feb 3, 6 Physical Evidence 11(Ch5), Trace Evidence: Hair and Fiber (Ch 13),
- ◉ Feb 10,13 Trace Evidence II (Ch 14), Midterm (in class) Tuesday
- ◉ Week of Feb 17 Reading week
- ◉ Feb 24, Feb 27 Firearms, Tool Markings and Impressions (Ch 9); Bloodstain pattern analysis (Ch10)
- ◉ Mar 2, 5 Bloodstain Pattern Analysis (Ch 10)- Guest Lecture and or Entomology - Guest lecture

Readings Linked to lectures

- ⦿ Mar 9,12 Drugs (Ch 11), Drugs 2 (Ch11)
- ⦿ Mar 16, 19 Forensic Toxicology* (Ch 12); Fire Investigation (Ch 16)
- ⦿ Mar 23, 26 Biological Stain Analysis: DNA (Ch 15), Biocrime / Microbial Forensics
- ⦿ Mar 30, Apr2, Computer and Mobile device Forensics (Ch18, 19), Review

Assessments, Assignments and Tests:

- ◉ Jan 7, 8 No in class lab.; On line labs 1.1 and 1.2 all sections
- ◉ Jan 14,15 Sections W 1,3,5,7,8,11,13,15,17 Crime Scene Photography and Collection of Physical Evidence; Online Lab 1.3 all sections
- ◉ Jan 21, 22 Sections W2,4,6,8,10,12,14,16 Crime Scene Photography and Collection of Physical Evidence; Online Lab 2 for Sections: W1,3,5,7,9,11, 13, 15, 17; Online reading quiz all sections
- ◉ Jan 28, 29 Sections W1,3,5,7,9,11,13,15,17 Fingerprints: Collection and Enhancement; Online Lab 2 Sections: W2,4,6,8,10,12,14,16
- ◉ Feb 4, 5 Sections W 2,4,6,8,10,12,14,16 Fingerprints: Collection and Enhancement; Online Lab 3 Sections: W1,3,5,7,9,11,13,15,17; Online reading quiz all sections

Assignments, Quizzes, Labs and Tests:

- ⦿ 10% Online Assignments (5 x 2%/each)
- ⦿ 10% Online reading Quizzes (4 x 2.5%/each)
- ⦿ 10% (5% +5%) Crime Scene documentation of Lab 1 and Lab 2
- ⦿ 20% (10%+10%) Group Crime Scene written report and oral presentation
- ⦿ 20% Midterm
- ⦿ 30% Final Examination

Online Assignments (10%)

- ◎ 5 online Assignments worth 2% each,
 - Assignments 1, 2 and 3 will ONLY be available online from January 6 at 8 am to January 10 at 11:59 pm.
 - Assignment 4 will ONLY be available online January 27 at 8 am to January 31 at 11:59 pm
 - Assignment 5 will ONLY be available online February 10 at 8 am to February 14 at 11:59 pm

Reading Quizzes (10%)

- 4 reading quizzes each worth 2.5% each
- To be written during the weeks of January 27th, February 24th; March 9th; and March 30th
- Quizzes will be open for students Thursday at 4 pm and close on Saturday at 11:59 PM.
- The material that will be covered on each reading quiz will be revealed in the lecture the week prior to the quiz

Crime Scene documentation of Lab 1 and Lab 2 (5% +5%=10%)

- ⦿ The material includes notes taken and drawings made during the laboratory
- ⦿ This will be completed in the laboratory time during the weeks of January 20th and February 3rd
- ⦿ Documentation will be handed in before you leave the laboratory each week.

Group crime scene written report and oral presentation (10%+10%=20%)

- ⦿ These assignments include the material from Labs 3 and 4
- ⦿ Presentations (10%) made in the laboratory time slots during the week of March 23rd
- ⦿ Must be completed during the laboratory and handed in before you leave the laboratory
- ⦿ Written reports (10%) to be handed in before the presentations, starting March 16th

Group Crime Scene Report

- Students will spend the latter portion of the course participating in a crime scene investigation.
- Students will be put into groups (to be determined in lab) and remain in these groups for the remainder of the course.
- Each group will be assigned a crime scene, and as a group, they will process their crime scene collecting all physical, trace and fingerprint evidence in the first week.
- Then, in the subsequent lab, each group will process their evidence collected in the lab, making comparisons to establish a story line or chain of events.
- In the last week of this group investigation, each group will collectively present their findings, summarizing each group member's role in the investigation, their methods and findings.
- Students will be evaluated based on their ability to appropriately process and document a crime scene and their ability to communicate their findings in an unbiased fashion in writing and through oral presentation.

Midterm and Final

⦿ 20% Midterm

- Covers material up to and including February 6th written ONLINE ON SATURDAY, February 8th, 10 am-11 am

⦿ 30% Final Examination

- Cumulative, covering all course material up to and including April 2nd -Date to be announced

Lecture and Lab Order

- ⦿ See Syllabus
- ⦿ NOTE: The order of the lectures may change depending upon the availability of guest lecturers

Learning Sequence

- ⦿ **NOTE: The timing of guest lectures may be altered to accommodate the guest's schedules.**
- ⦿ Jan 6, 9 Overview and Course Requirements; Introduction to Crime Scene Investigation (Ch 1)
 - No in-person lab.
 - Online assignments 1, 2 and 3
- ⦿ Jan 13, 16 Securing/Searching the Crime Scene (Ch 2), Crime Scene Photography (Ch 3)
 - No in-person lab.
- ⦿ Jan 20, 23 Collection of Crime Scene Evidence (Ch 4), Physical Evidence (Ch 5)
 - In-person labs

Learning Sequence (con't)

- ⦿ Jan 27, 30 Physical Evidence (Ch 5), Fingerprints (Ch 8)
 - No in-person lab.
 - Online assignment 4
 - Reading Quiz 1
- ⦿ Feb 3, 6 Fingerprints (Ch 8), Trace Evidence: Hair and Fiber (Ch 13)
 - In-person labs
- ⦿ Feb 10, 13 Trace Evidence II (Ch 14)
 - No in-person lab.
 - Online Assignment 5
- ⦿ Week of Feb 17 Reading week

Learning Sequence (con't)

- ◉ Feb 24, 27 Firearms, Tool Markings and Impressions (Ch 9), Bloodstain pattern analysis (Ch10)
 - In-person labs
 - Online Reading Quiz 2
- ◉ Mar 2, 5 Bloodstain Pattern Analysis (Ch 10) - Guest Lecture
 - No In-person labs
- ◉ Mar 9, 12 Entomology - Guest lecture, Drugs (Ch 11)
 - In-person labs
 - Online Reading Quiz 3
- ◉ Mar 16, 19 Forensic Toxicology* (Ch 12) – Possible Guest lecture, Fire Investigation (Ch 16)
 - No In-person labs
- ◉ Mar 23, 26 Biological Stain Analysis: DNA (Ch 15), Biocrime / Microbial Forensics
 - In-person labs - Presentations
- ◉ March 30, April 2 Computer and Mobile device Forensics (Ch18, 19)/ Review
 - Online Course Evaluation
 - Group Crime Scene Report Due before Friday, April 3 at 4 pm
 - Online Reading Quiz 4

Blackboard Learn 9 (BB9):

- Blackboard Learn 9 (BB9): Much of your course material can be found on your online Learning System. It is expected that you will consult your online Learning System frequently for course notes, notifications, and course material in addition to that provided in the classroom. Note: some course material that you will be responsible for may be provided in class and will not be found on your online Learning System.
- Note: E-mails via blackboard are not checked regularly. Specific questions can be addressed to the TAs during the labs or to the Professor during office hours.

Course Policies:

- It is important that students realize that this is a crime scene investigation course and therefore note-taking is critical. These notes are to be taken in a hardbound notebook in pen, notes in pencil and notes not in a hardbound notebook will receive zero on marking. Students are to cross out mistakes in writing in the notebooks with a single line and then initial the mistake.
- Lab sections missed cannot be made up unless arrangements have been made with the instructor; relevant professional documentation may be required.

Course Policies:

- Assignments due dates are listed on the syllabus they must be completed for the time indicated, assignments that are received late will receive a mark of zero. Consideration may be given to students who have been prevented from completing their assignments. For this consideration, students must submit a note from a doctor or other relevant professional indicating the reason for the student's inability to complete the assignment on time.

Other Policies

- ⦿ Please read Trent University Academic guidelines for regulations and procedures concerning academic issues in this course. The final decision on any issue will be compliant with Trent University rules and procedures.
- ⦿ Note especially 'academic integrity' and 'access to instruction'

Review

- ⦿ FRSC 1011 course overview
- ⦿ Walk through of the syllabus
- ⦿ There are a lot of assignments
- ⦿ The assignments start today

Assignments This Week:

Note Taking

- Online note taking assignments 1, 2 and 3 will ONLY be available online from January 6 at 8 am to January 10 at 11:59 pm.
- SAS student accommodations are included
- In person labs start the week of Jan20th
- All students must have a hardbound notebook