

# FORENSIC SCIENCE

**Basic Overview** 



# What is a crime?

- CRIME: An offense against the public at large, proclaimed in a law and punishable by a governing body.
- CRIMINAL LAW: The body of law that, for the purpose of preventing harm to society, defines what behavior is criminal and prescribes the punishment to be imposed for such behavior.

#### **COURT ROLES**

#### **Plaintiff**

- Accuser
- •Could be the gov't, or a person, or a business

#### **Defendant**

- Accused party
- Could be the gov't, or a person, or a business

#### **Prosecutor**

Lawyer for accuser



#### **Defender**

Lawyer for the accused



## **BODIES OF LAW**

- COMMON LAW
- STATUTORY LAW

CASE LAW

ADMINISTRATIVE LAW



# **COMMON LAW**

Principles and rules of action based on usage and custom in ancient England and incorporated into colonial American laws and subsequent state statutes.

# STATUTORY LAW

The body of laws passed by legislative bodies, including the U.S. Congress, state legislature, and local governing bodies (county, city, school district...)

# **CASE LAW**

The sum total of all reported cases that interpret previous decisions, statutes, regulations, and constitutional provisions that then become part of a nation's or a state's common law.

### ADMINISTRATIVE LAW

The body of law created by administrative agencies in the form of rules, regulations, orders, and decisions, sometimes with criminal penalties for violations.

#### **CLASSIFICATION OF CRIMES**

- FELONY: A relatively serious criminal offense punishable by death or imprisonment for more than a year in a state or federal prison
- MISDEMEANOR: A less serious crime that is generally punishable by a prison sentence of not more than one year in a county or city jail.

### CRIMINAL INVESTIGATION

The lawful search for people and things to reconstruct the circumstances of an illegal act, apprehend or determine the guilty party, and aid in the state's prosecution of the offender(s.)



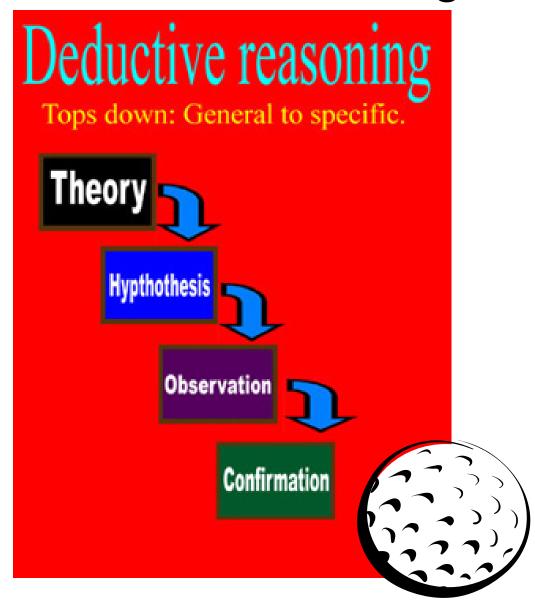
### CRIMINAL INVESTIGATION

- 1. Deal with emergencies
- 2. Determine if a crime has been committed and, if so, what crime.
- 3. Establish crime scene priorities
- 4. Identify suspects
- 5. Apprehend the suspects
- 6. Gather and preserve evidence
- 7. Recover stolen property
- Assist in the prosecution and conviction of the defendant (s.)

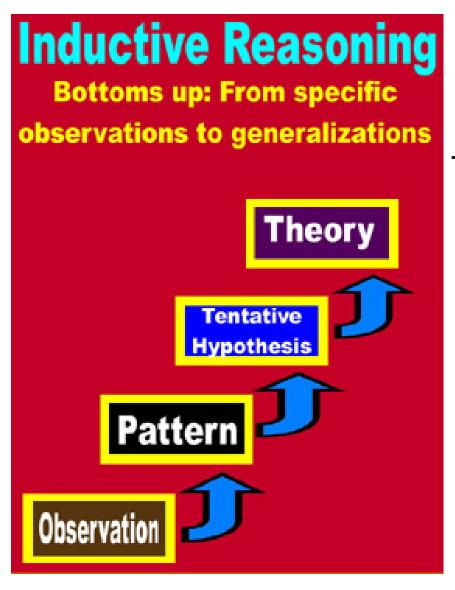
## Deductive vs. Inductive Reasoning

# **DEDUCTIVE REASONING**

The drawing of conclusions from logically related events or observations



### Deductive vs. Inductive Reasoning



#### INDUCTIVE REASONING

The making of inferences from apparently separate observations or pieces of evidence.



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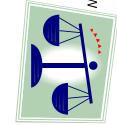
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	events or observations	The drawing of conclusions from	DEDUCTIVE REASONING	Deductive vs. In
Confirmation	Observation	Hypthothesis	Deductive reasoning  Tops down: General to specific.	Deductive vs. Inductive Reasoning
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# Deductive Inductive Bottoms up: 1 observations to

The drawing of conclusions from logically related events or observations	Deductive vs. Inductive Reasoning  DEDUCTIVE INDUCTIVE  REASONING REASONING	Inductive Reasoning Bottoms up: From specific observations to generalizations The making of inferences from apparently separate observations or pieces of evidence.  Pattern  Diservation  Diservation  Diservation  Pattern  Diservation  Dise
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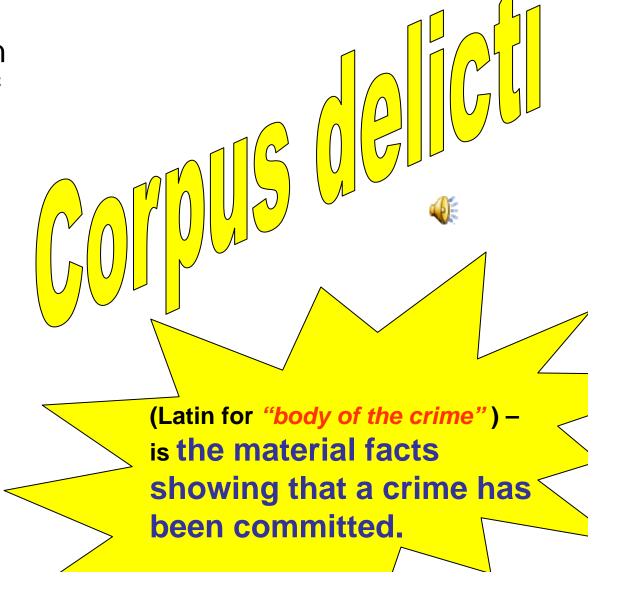
**EVIDENCE** 





If the Responding
Officer's findings upon arriving on a scene of an incident show that a criminal law has been broken, then proof must be established.







(Latin for "body of the crime") – is the material facts showing that a crime has been committed.



Corpus delicti

Crime one without









In the case of a death, the dead body in NOT the Corpus delicti. Instead, it is the evidence that indicates criminal wrong-doing that is the Corpus delicti.

Cut break lines, a bullet hole in the window, etc. are the pieces of evidence needed to prove that a crime has been committed.





# *prima facie*evidence

"On the surface" evidence that is sufficient on its own to establish a given fact or guilt of committing a crime.

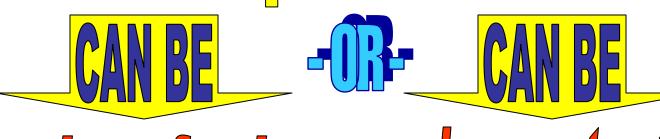




# circumstantial evidence

Seemingly disconnected facts from which proof of a crime being committed can be deducted.

Corpus delicti



# prima facie evidence



# circumstantial evidence



- Guidelines that ensure that evidence collected will be admissible in court.





The *Fourth Amendment* of the U.S. Constitution protects citizens from illegal searches and seizures.

- Guidelines that ensure that evidence collected will be admissible in court.





Evidence obtained in violation of the U.S. Constitution is inadmissible in court.

- Guidelines that ensure that evidence collected will be admissible in court.





to, or bear directly on, the fact at issue – if not ... admissibility in court may be denied.

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Evidence used in court must be important enough to influence the court's opinion – if not ... admissibility in court may be denied.

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The piece of evidence OR of a witness offering testimony must be credible – if not ... admissibility in court may be denied.

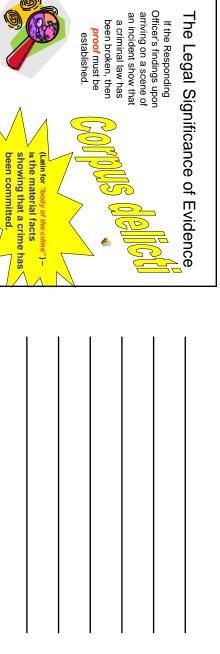
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# Exclusionary Rule « Relevancy « Materiality Competency «







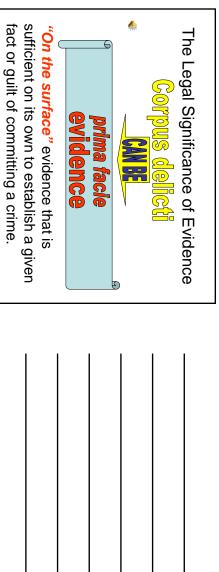


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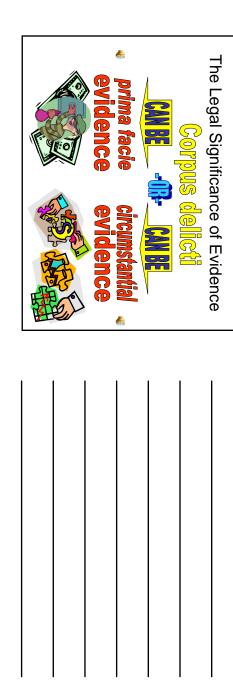
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