STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK

MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
JUST 301 – Latent Prints & Impressions

Created by: Liz Brown

Updated by:

School of Science, Health, and Criminal Justice

Department: Criminal Justice

Semester/Year: Spring 2020

A. **TITLE**: Latent Prints & Impressions

B. **COURSE NUMBER:** JUST 301

C. **CREDIT HOURS: (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)**

 # Credit Hours: 3
 # Lecture Hours: 2 **per week**
 # Lab Hours: 2 **per week**
  Other: **per week**

Course Length: 7 **Weeks**

D. **WRITING INTENSIVE COURSE**: Yes ☐   No ☒

E. **GER CATEGORY: None:** ☒   **Yes:** GER
*If course satisfies more than one***:** GER

F. **SEMESTER(S) OFFERED: Fall** ☐   **Spring** ☐ **Fall & Spring** ☒

G. **COURSE DESCRIPTION:**

This course is an introduction to the development of fingerprints and the identification of the various fingerprint patterns. Course activities include physical and chemical development of fingerprints, crime scene processing techniques, the Henry System of fingerprint classification, and the comparison and identification of suspect fingerprints through manual and automated means.

H. **PRE-REQUISITES: None** ☐ **Yes** ☒ **If yes, list below:**

45 credit hours completed in Criminal Investigation, Criminal Justice: Law Enforcement Leadership, Forensic Criminology or Homeland Security or permission of the instructor.

CO-REQUISITES: None ☒ **Yes** ☐ **If yes, list below:**

I.   <u>STUDENT LEARNING OUTCOMES</u>: (*see key below*)

By the end of this course, the student will be able to:

Course Student Learning Outcome [SLO]	*Program Student Learning Outcome [PSLO]*	*GER [If Applicable]*	*ISLO & SUBSETS*	
a. Develop prints and impression evidence using powders, chemicals and light sources	PLO3 - Students will be able to identify, analyze and utilize various techniques used in a criminal investigation		2-Crit Think ISLO ISLO	CA Subsets Subsets Subsets
b. Demonstrate the proper preservation and collection methods for prints and impression evidence	PLO3 - Students will be able to identify, analyze and utilize various techniques used in a criminal investigation		2-Crit Think ISLO ISLO	CA Subsets Subsets Subsets
c. Practice collection of elimination prints and impressions, including 10-print fingerprint cards and major case prints	PLO3 - Students will be able to identify, analyze and utilize various techniques used in a criminal investigation		2-Crit Think ISLO ISLO	CA Subsets Subsets Subsets
d. Analyze the various fingerprint patterns and individual minutiae characteristics	PLO3 - Students will be able to identify, analyze and utilize various techniques used in a criminal investigation		2-Crit Think ISLO ISLO	IA Subsets Subsets Subsets
e. Classify a set of fingerprints by both the Henry system and the NCIC classification	PLO3 - Students will be able to identify, analyze and utilize various techniques used in a criminal investigation		2-Crit Think ISLO ISLO	IA Subsets Subsets Subsets
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KEY	Institutional Student Learning Outcomes [ISLO 1 – 5]
ISLO #	ISLO & Subsets
1	**Communication Skills** Oral [O], Written [W]
2	**Critical Thinking** *Critical Analysis [CA] , Inquiry & Analysis [IA] , Problem Solving [PS]*
3	**Foundational Skills** *Information Management [IM], Quantitative Lit./Reasoning [QTR]*
4	**Social Responsibility** *Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]*
5	**Industry, Professional, Discipline Specific Knowledge and Skills**

*Include program objectives if applicable. Please consult with Program Coordinator

J.   **APPLIED LEARNING COMPONENT:**   Yes ☒   No ☐

If YES, select one or more of the following categories:

☒ Classroom/Lab   ☐ Civic Engagement
☐ Internship   ☐ Creative Works/Senior Project
☐ Clinical Placement   ☐ Research
☐ Practicum   ☐ Entrepreneurship
☐ Service Learning   (program, class, project)
☐ Community Service

K.   TEXTS:

Fingerprint Sourcebook - U.S. Government (OER)

L.   REFERENCES:

None

M.   EQUIPMENT: None ☐ **Needed:** Fingerprint Kit (purchased from as course fee)

N.   GRADING METHOD: A-F

O.   SUGGESTED MEASUREMENT CRITERIA/METHODS:

Quizzes, exams, assignments

P.   DETAILED COURSE OUTLINE:

I.   History and development of personal identification
   A. methods of personal identification

II.   History and development of fingerprinting
   A. historical uses of fingerprints
   B. historical dates in fingerprinting

III.   Analyzing and identifying fingerprint patterns and minutiae
   A. fingerprint minutiae
   B. loops
   C. arches
   D. whorls
   E. ridge counts
   F. whorl tracings

IV.   Preserving fingerprints and impression evidence
   A. the use of powders
   B. the use of chemicals
   C. the use of taping materials

V.   **Collecting elimination fingerprints and impressions**
        A. preparing a 10-print fingerprint card
        B. collecting major case prints

VI.   **Comparison of known and suspect fingerprints and impressions**
        A. fingerprint comparison procedure

VII.   **Classification of Fingerprint Cards**
        A. Henry Classification
        B. NCIC Classification

Q.   **LABORATORY OUTLINE: None ☐ Yes ☒**

I.   **Fingerprint Terminology**
II.   **Fingerprint Pattern Recognition**
III.   **Development of Fingerprints**
a.   **Porous**
b.   **Non-Porous**
c.   **Adhesive**
IV.   **Fingerprint Classification**
a.   **Henry**
b.   **NCIC**