

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



COURSE OUTLINE

JUST 301-LATENT PRINTS AND IMPRESSIONS

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**SCHOOL OF SCIENCE, HEALTH, AND CRIMINAL JUSTICE
CRIMINAL JUSTICE DEPARTMENT
April 2015**

JUST 301 – LATENT PRINTS AND IMPRESSIONS

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

B. **COURSE NUMBER:** JUST 301

C. **CREDIT HOURS:** 3

D. **WRITING INTENSIVE COURSE:** No

E. **WEEKS PER SEMESTER:** 15 weeks

F. **SEMESTER(S) OFFERED:** Fall / Spring

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
Two hours lecture and two hours lab per week.

H. **CATALOG DESCRIPTION:** This course is an introduction to the biological 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.

I. **PRE-REQUISITES/CO-COURSES:** Pre-requisite: 45 credit hours completed in Criminal Investigation, Criminal Justice: Law Enforcement Leadership, or Homeland Security or permission of the instructor.

J. **STUDENT LEARNING OUTCOMES:**

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

<i>Course Objective</i>	<i>Institutional SLO</i>
a. Develop prints and impression evidence using powders, chemicals and light sources	2. Crit. Thinking
b. Demonstrate the proper preservation and collection methods for prints and impression evidence	2. Crit. Thinking 3. Prof. Competence
c. Practice collection of elimination prints and impressions, including 10-print fingerprint cards and major case prints	2. Crit. Thinking 3. Prof. Competence
d. Analyze the various fingerprint patterns and individual minutiae characteristics	2. Crit. Thinking
e. Classify a set of fingerprints by both the Henry system and the NCIC classification	2. Crit. Thinking

K. **TEXTS:** Collins, C. G. (2001). Fingerprint science: How to roll, classify, file, and use fingerprints. Belmont, CA: Thomson Wadsworth Publishing

L. **REFERENCES:** None

M. **EQUIPMENT:** Fingerprint Kit (purchased from bookstore)

N. **GRADING METHOD:** A-F

O. **MEASURING CRITERIA:**

- Quizzes
- Exams
- Practical Exercises

P. DETAILED COURSE OUTLINE:

- A. History and development of personal identification
 - A. methods of personal identification
- I. History and development of fingerprinting
 - A. historical uses of fingerprints
 - B. historical dates in fingerprinting
- II. Analyzing and identifying fingerprint patterns and minutiae
 - A. fingerprint minutiae
 - B. loops
 - C. arches
 - D. whorls
 - E. ridge counts
 - F. whorl tracings
- III. Preserving fingerprints and impression evidence
 - A. the use of powders
 - B. the use of chemicals
 - C. the use of taping materials
- IV. Collecting elimination fingerprints and impressions
 - A. preparing a 10-print fingerprint card
 - B. collecting major case prints
- V. Comparison of known and suspect fingerprints and impressions
 - A. fingerprint comparison procedure
- VI. Classification of Fingerprint Cards
 - A. Henry Classification
 - B. NCIC Classification

Q. LABORATORY OUTLINE:

- 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