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



MASTER SYLLABUS

COURSE NUMBER – COURSE NAME JUST411 – Forensic Drug Analysis and Investigation

Created by: Kelly J DeHaut

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Updated by:

School of Science, Health, and Criminal Justice

Department: Criminal Justice

Semester/Year: Fall 2018

- A. <u>TITLE</u>: Forensic Drug Analysis and Investigation
- B. <u>COURSE NUMBER</u>: JUST 411
- C. <u>CREDIT HOURS</u>: 3 credit hour(s) per week for 15 weeks
- D. WRITING INTENSIVE COURSE: Yes No 🛛
- E. <u>GER CATEGORY</u>: None: Yes: GER *If course satisfies more than one*: GER
- F. <u>SEMESTER(S) OFFERED</u>: Fall Spring Fall & Spring

G. <u>COURSE DESCRIPTION</u>:

This course explores the tools and methods used in, and the issues involved with, drug investigations and forensic analyses. Topics include physiological impacts of various illicit drugs, legal categories of various substances, legal issues relating to drug crimes, methods of investigation, field examination, and lab analyses.

H. <u>PRE-REQUISITES</u>: None Yes X If yes, list below:

Completion of 45 semester credit hours or permission of the instructor.

<u>CO-REQUISITES</u>: None Yes I 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] | <u>Program Student Learning</u> <u>Outcome</u> [PSL0] | <u>GER</u> [If Applicable] | <u>ISLO & SUBSETS</u> | |
|---|--|-------------------------------|-------------------------------|-------------------------------------|
| Explain the differences between classifications of controlled substances. | Students will be able to apply the scientific methods to analyze and compare physical evidence to determine its properties & possible origins. | | 2-Crit Think ISLO ISLO | CA Subsets Subsets Subsets |
| Interpret various types of evidence related to specific controlled substances, and explain how the evidence will impact the investigation process. | Students will be able to identify, analyze, & utilize various techniques used in a criminal investigation. | | 2-Crit Think ISLO ISLO | CA IA Subsets Subsets |
| Interpret information and leads and apply investigative methods to further the investigation. | Students will be able to identify, analyze, & utilize various techniques used in a criminal investigation. | | 2-Crit Think ISLO ISLO | IA PS Subsets Subsets |
| Demonstrate the ability to write a search warrant for use in various controlled substance cases. | Students will be able to demonstrate written & verbal communication skills | | 1-Comm Skills ISLO ISLO | W Subsets Subsets Subsets |
| Explain the physiological impacts of controlled substances on the human body. | Students will be able to apply the scientific methods to analyze and compare physical evidence to determine its properties & possible origins. | | 2-Crit Think ISLO ISLO | CA Subsets Subsets Subsets |

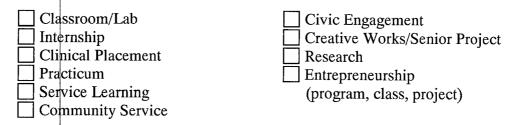
| KEY | Institutional Student Learning Outcomes [ISLO 1 - 5 | 51 |
|-----------|--|----|
| ISLO # | ISLO & Subsets | |
| 1 | Communication Skills Oral [O], Written [W] | |
| 2 | Critical Thinking Critical Analysis [CA], Inquiry & Analysis [IA], Problem Solving [PS] | |
| 3 | Foundational Skills Information Management [IM], Quantitative Lit,/Reasonin [QTR] | g |
| 4 | Social Responsibility Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T] | |
| 5 | Industry, Professional, Discipline Specific Knowledge a Skills | nd |

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

J. <u>APPLIED LEARNING COMPONENT:</u>

| Yes 🗌 | No | \boxtimes |
|-------|----|-------------|
|-------|----|-------------|

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



K. <u>TEXTS</u>:

Fredrickson, D. D., & Siljander, R. P. (2004). Street drug investigation: A practical guide for plainclothes and uniformed personnel. Springfield, IL: Charles C Thomas.
Lyman, M. D. (2007). Practical drug enforcement. Boca Raton, FL: CRC Press.

L. <u>REFERENCES</u>:

M. <u>EQUIPMENT</u>: None Needed:

N. **<u>GRADING METHOD</u>**: A-F

0. <u>SUGGESTED MEASUREMENT CRITERIA/METHODS</u>:

P. <u>DETAILED COURSE OUTLINE:</u>

Week One History and current issues of drugs and alcohol in the US

Week Two Definition of drug Types of drugs (illicit, prescription, over the counter etc) Categories of drugs (legal, physiological impact)

Week Three Physiological impacts of drugs and how to detect them

Week Four Drug abuse Drug addiction

Week Five Investigation procedures Week Six Undercover officers/agents Informants Plain clothes officers/agents

Week Seven Surveillance usage in case investigation

Week Eight Searches Raids

Week Nine Arrests

Week Ten Interviews and interigations in drug investigations

Week Eleven Examinations Presumptive, confirmatory, qualitative, quantitative

Week Twelve Special enforcement problems Grows, labs, smuggling

Week Thirteen Court preparation

Week Fourteen Case studies

Week Fifteen FINAL EXAM

Q. <u>LABORATORY OUTLINE</u>: None X Yes