

**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

Updated by:

School of Science, Health, and Criminal Justice

Department: Criminal Justice

Semester/Year: Fall 2018

A. **TITLE:** Forensic Drug Analysis and Investigation

B. **COURSE NUMBER:** JUST 411

C. **CREDIT HOURS:** 3 credit hour(s) per week for 15 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 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. **PRE-REQUISITES:** None Yes If yes, list below:

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

CO-REQUISITES: None Yes If yes, list below:

I. STUDENT LEARNING OUTCOMES: (see key below)

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

<u>Course Student Learning Outcome</u> <u>[SLO]</u>	<u>Program Student Learning Outcome</u> <u>[PSLO]</u>	<u>GER</u> <i>[If Applicable]</i>	<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	<u>Institutional Student Learning Outcomes [ISLO 1 – 5]</u>
ISLO #	ISLO & Subsets
1	Communication Skills Oral [O], Written [W]
2	Critical Thinking <i>Critical Analysis [CA] , Inquiry & Analysis [IA] , Problem Solving [PS]</i>
3	Foundational Skills <i>Information Management [IM], Quantitative Lit,/Reasoning [QTR]</i>
4	Social Responsibility <i>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</i>
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:

- | | |
|---|--|
| <input type="checkbox"/> Classroom/Lab | <input type="checkbox"/> Civic Engagement |
| <input type="checkbox"/> Internship | <input type="checkbox"/> Creative Works/Senior Project |
| <input type="checkbox"/> Clinical Placement | <input type="checkbox"/> Research |
| <input type="checkbox"/> Practicum | <input type="checkbox"/> Entrepreneurship |
| <input type="checkbox"/> Service Learning | (program, class, project) |
| <input type="checkbox"/> Community Service | |

K. **TEXTS:**

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. **REFERENCES:**

M. **EQUIPMENT:** None Needed:

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

O. **SUGGESTED MEASUREMENT CRITERIA/METHODS:**

P. **DETAILED COURSE OUTLINE:**

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 interigrations 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. LABORATORY OUTLINE: None Yes