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:

<table>
<thead>
<tr>
<th>Course Student Learning Outcome [SLO]</th>
<th>Program Student Learning Outcome [PSLO]</th>
<th>GER [If Applicable]</th>
<th>ISLO &amp; SUBSETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explain the differences between classifications of controlled substances.</td>
<td>Students will be able to apply the scientific methods to analyze and compare physical evidence to determine its properties &amp; possible origins.</td>
<td>2-Crit Think ISLO ISLO</td>
<td>CA Subsets Subsets</td>
</tr>
<tr>
<td>Interpret various types of evidence related to specific controlled substances, and explain how the evidence will impact the investigation process.</td>
<td>Students will be able to identify, analyze, &amp; utilize various techniques used in a criminal investigation.</td>
<td>2-Crit Think ISLO ISLO</td>
<td>IA Subsets Subsets</td>
</tr>
<tr>
<td>Interpret information and leads and apply investigative methods to further the investigation.</td>
<td>Students will be able to identify, analyze, &amp; utilize various techniques used in a criminal investigation.</td>
<td>1-Comm Skills ISLO ISLO</td>
<td>PS Subsets Subsets</td>
</tr>
<tr>
<td>Demonstrate the ability to write a search warrant for use in various controlled substance cases.</td>
<td>Students will be able to demonstrate written &amp; verbal communication skills</td>
<td></td>
<td>W Subsets Subsets Subsets</td>
</tr>
<tr>
<td>Explain the physiological impacts of controlled substances on the human body.</td>
<td>Students will be able to apply the scientific methods to analyze and compare physical evidence to determine its properties &amp; possible origins.</td>
<td>2-Crit Think ISLO ISLO</td>
<td>CA Subsets Subsets Subsets</td>
</tr>
</tbody>
</table>

**KEY**

<table>
<thead>
<tr>
<th>ISLO #</th>
<th>Institutional Student Learning Outcomes [ISLO 1 – 5]</th>
</tr>
</thead>
</table>
| 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
- Internship
- Clinical Placement
- Practicum
- Service Learning
- Community Service
- Civic Engagement
- Creative Works/Senior Project
- Research
- Entrepreneurship (program, class, project)

K. TEXTS:


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 interrogations 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 ☐