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

MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
VSCT 214 – Veterinary Pharmacology

CIP Code: 01.8301
For assistance determining CIP Code, please refer to this webpage
or reach out to Sarah Todd at todds@canton.edu

Created by: Wendy Kuceyeski, DVM
Updated by: Wendy Kuceyeski, DVM

School of Science, Health, and Criminal Justice
Department: Veterinary Science Technology
Semester/Year: Fall 2024
A. **TITLE:** Veterinary Pharmacology

B. **COURSE NUMBER:** VSCT 214

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

   # Credit Hours: 2
   # Lecture Hours: 2 per week
   # Lab Hours: 0 per week
   Other: per week

   **Course Length:** 15 Weeks

D. **WRITING INTENSIVE COURSE:** Yes [ ] No [x]

E. **GER CATEGORY:** None: [x] Yes: GER
   *If course satisfies more than one:* GER

F. **SEMESTER(S) OFFERED:** Fall [x] Spring [ ] Fall & Spring [ ]

G. **COURSE DESCRIPTION:**

   The course is designed for Veterinary Science Technology students as an introduction to pharmacology. The various classes of drugs used in veterinary medicine will be discussed in regard to use, side effects, contraindications, method of administration, etc. Drug math will be emphasized, including CRI and other calculations related to drug use. Upon completion of this course, a student should have familiarity with many of the commonly used drugs in a veterinary hospital.

H. **PRE-REQUISITES:** None [ ] Yes [x] If yes, list below:

   VSCT 114 and VSCT 115

   **CO-REQUISITES:** None [ ] Yes [x] 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><strong>GER</strong> [If Applicable]</th>
<th>ISLO &amp; SUBSETS</th>
</tr>
</thead>
</table>

[Key: SLO - Student Learning Outcomes, PSLO - Program Student Learning Outcomes, GER - General Education Requirements, ISLO & SUBSETS - Institutional Student Learning Outcomes & Subsets]
<table>
<thead>
<tr>
<th>ISLO #</th>
<th>ISLO &amp; Subsets</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] |  |
<p>| 3     | Foundational Skills |  |</p>
<table>
<thead>
<tr>
<th>Information Management [IM], Quantitative Lit./Reasoning [QTR]</th>
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<tbody>
<tr>
<td>4 Social Responsibility</td>
</tr>
<tr>
<td>Ethical Reasoning [ER], Global Learning [GL],</td>
</tr>
<tr>
<td>Intercultural Knowledge [IK], Teamwork [T]</td>
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<tr>
<td>5 Industry, Professional, Discipline Specific Knowledge and</td>
</tr>
<tr>
<td>Skills</td>
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</tbody>
</table>

*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:

N/A

L. REFERENCES:


M. EQUIPMENT: None ☐ Needed: Subscription to Trajecsys for essential skill tracking.

N. GRADING METHOD: A-F

O. SUGGESTED MEASUREMENT CRITERIA/METHODS:

- Quizzes
- Exams
- Worksheets

P. DETAILED COURSE OUTLINE:

- Course introduction and syllabus
- General Pharmacology
- Administration and prescriptions
- Practical calculations
- Controlled substances/Plumb’s
Nervous system disorder drugs
Respiratory system disorder drugs
Renal/urinary tract disorder drugs
Cardiovascular disorder drugs
GI system disorder drugs
Hormonal/endocrine/reproductive disorder drugs
Ophthalmic/otic drugs
Skin disorder drugs
Anti-infective drugs
Antiparasitic drugs
Pain/anti-inflammatory drugs
Therapeutic nutritional/electrolytes
Blood modifying/antineoplastic/immunosuppressant drugs
Immunological drugs
Antidotes
Nutraceuticals
Miscellaneous therapeutic agents
Behavioral modification drugs
Poisonous plants
Inventory of drugs

Q. LABORATORY OUTLINE:  None ☒  Yes ☐