COURSE NO., HOURS, TITLE:  MSFS 355-3 Embalming Chemistry

PROGRAM MISSION STATEMENT:

The mission of the Mortuary Science and Funeral Service program is to challenge students to achieve academic and professional excellence; prepare students to acquire entry level positions in the funeral service profession; provide quality instruction and stay current with trends of the profession; cultivate and maintain excellent relations with local, state, and national organizations; enhance university and community relations; and work toward the continued improvement of the Mortuary Science and Funeral Service program as an ongoing process.

COURSE DESCRIPTION:

The student will study the chemistry of the body, sanitation, toxicology, chemical changes in deceased human remains, disinfection, and embalming fluids. Laboratory experiences in MSFS 225a will complement lecture material. Prerequisite: CHEM 106 and concurrent enrollment in MSFS 225a.

Lecture Hours:  Monday, Wednesday and Friday 8:00 - 8:50 a.m.

PREREQUISITE TO:  None

COURSE OBJECTIVES:

Upon satisfactory completion of a course in chemistry the student should be able to:

1. Explain selected facts of general chemistry, organic chemistry, biochemistry, and embalming chemistry;

2. Identify the characteristics of solutions, colloids, suspensions, and the processes of diffusions and osmosis;

3. Explain the essential characteristics of autolysis, hydrolysis, fermentation, and putrefaction in the area of the chemistry of decomposition;

4. Define organic chemistry and describe the characteristics of organic compounds as they relate to embalming chemistry;

5. Compare and contrast the essential characteristics of carbohydrates, lipids, and proteins;

6. Differentiate among the representative chemicals in embalming fluid (arterial, cavity, and accessory) and describe their respective functions; and
7. Identify and list the potentially harmful chemicals used in the preparation room, and their regulations.

Topical Outline:

I. Inorganic Chemistry.................................................15%
II. Organic Chemistry...............................................15%
III. Embalming Chemistry.........................................70%

TEXTBOOKS:


INSTRUCTOR: Dr. Thomas Shaw

OFFICE HOURS: Tuesday 8:00 a.m.—11:00 a.m.
Thursday 8:00 a.m. – 11:00 a.m.
Others by appointment.
Room 123-College of Applied Sciences and Arts
Phone: 453-7217
E-Mail: saja@siu.edu

ATTENDANCE:

ATTENDANCE IS REQUIRED. You are responsible for attending all classes and completing all course requirements. You will be allowed three absences during the semester. After the third absence the student will have points deducted from their total points accumulated.

4 - 5 Absences = 3 Points
6 - 7 Absences = 6 Points
8 - 9 Absences = 9 Points
≥ 10 Absences = 12 Points

Please be aware that this is accumulated, total number of deducted points if a student missed 10 classes would be 30 points. REMEMBER: If you miss a class, it is YOUR responsibility to contact the instructor and obtain any outside work assignment. If assignment(s) are not completed and given to the professor, an “INC” may be given until the assignment(s) are completed.

You are required to be present at the time the class is scheduled to begin. Once the doors are shut and the class has started, DO NOT interrupt the class by coming in late.

GRADES:

Grades will be determined on a percentage basis as applied to the total number of possible points accumulated throughout the semester. The percentage breakdown is as follows:
92 to 100% earns you an A
83 to 91% earns you a B
75 to 82% earns you a C
74% ≤ earns you an F

EXAMINATIONS & QUIZZES:

There will be three (3) hourly exams given during the semester. Make-up exams are generally NOT PERMITTED. A comprehensive final exam will be given at the end of the semester and will follow the final exam schedule set by the University.

Quizzes may be given without previous notice and will not be made up under any circumstances.

During the semester there may be assignments that are to be completed. These assignments may be individual or group activities. All assignments must be completed and turned in on or before the due date. All assignments must be typed; double space, with 1 inch margins, and have a cover page unless other parameters are given.

Final Exam: 8:00 am to 10:00 am—Wednesday, December 14, 2016

EMERGENCY PROCEDURES:

Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT’S website at www.Bert.siu.edu, Department of Safety’s website www.dps.siu.edu (disaster drop down) and in Emergency Response Guideline pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

The Provost’s syllabus attachment link is as follows: http://pvcaa.siu.edu/_common/documents/syllabus-attachment-fall-2016.pdf

*Changes may be made to this syllabus during the semester, as needed at the instructor’s discretion.