

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: HSC 1524

COURSE TITLE: Introduction to Infectious Disease

PRE-REQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 2

CONTACT HOURS/WEEK: 2

CONTACT HOUR BREAKDOWN:

LECTURE/DISCUSSION 2

LABORATORY

OTHER: \_\_\_\_\_

FACULTY WORKLOAD POINTS: 2

STANDARDIZED CLASS SIZE ALLOCATION: 25

## CATALOG COURSE DESCRIPTION:

This course focuses on definition of terms, basic classification of microorganisms, microbial growth, physical and chemical methods of controlling microbial growth, human pathogens, infection risks and public health.

SUGGESTED TEXT(S): Medical Microbiology, 2<sup>nd</sup> Ed., Roitt, Mims, Playfair, Wakefield & Williams. (Harcourt Health Sciences, 1998). ISBN: 072342781X

IMPLEMENTATION DATE: Spring Term, 2002

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Classification of Microorganisms	6
A. Definitions	(1)
B. Bacteria	(2)
C. Viruses	(2)
D. Fungi	(1)
II. Microbial Growth	2
A. Nutrition	(1)
B. Metabolism	(1)
III. Control of Microbial Growth	4
A. Physical Methods	(2)
B. Chemical Methods	(2)
IV. Pathogens	14
A. Definitions	(1)
B. Bacterial pathogens	(5)
C. Viral & Fungal pathogens	(4)
D. AIDS	(4)
V. Infection and Public Health Issues	4
A. Universal precautions and safety	(2)
B. Epidemiology	(1)
C. Reportable disease	(1)

PROGRAM TITLE: Funeral Services

COURSE TITLE: Introduction to Infectious Diseases

CIP NUMBER: CIP: 1312030100 (AS); CIP: 0312030100 (AAS)

## LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S):	TITLES(S):
04.01	Explain the embalming-disinfection process as a public health procedure.
04.02	Describe infectious processes and explain the methods of transmission and control of common infectious diseases, with special emphasis upon their applications to the environment of the embalmer, the funeral director, and the public.
04.03	Identify and explain special treatments for cases involving common infections, traumatic and pathological conditions.
04.04	Recognize the pathological conditions which require special procedures in the removal, handling, preparation and disposition of human remains.
04.05	Apply infection control techniques according to Center for Disease Control (CDC) guidelines.
04.06	Document the relationship between his understanding of normal structure and functions of the human body and his development of healthful living habits.
04.07	Describe and demonstrate personal and environmental disinfection and decontamination procedures; explain proper use of major chemical disinfectants.
05.05	Differentiate between the beneficial micro-organisms and the actual pathogens and opportunists commonly associated with both the living human host and dead human remains.
05.06	Demonstrate an understanding of host parasite relations and interactions, and the requirements for successful parasitism.
05.07	Identify host defense mechanisms and demonstrate general knowledge of innate, natural and active immunologic responses.
05.08	Identify basic bacterial and fungal morphology and physiology.
05.09	Advise the layman of the medical benefits of post-mortem examination.
06.01	Identify the reasons one should cooperate in community programs for controlling disease and promoting medical research.
06.02	Give evidence of his appreciation of, and interest in, the human body as a subject for independent study and continuing intellectual growth.
08.01	Give evidence of respect for human remains
20.01	Distinguish between fact and fallacy about the transmission and treatment of diseases caused by blood borne pathogens.
20.02	Identify community resources and services available to the individuals with diseases caused by blood borne pathogens.
20.03	Identify "at risk" behaviors which promote the spread of AIDS and the public education necessary to combat the spread of diseases caused by blood borne pathogens.
20.04	Apply infection control techniques designed to prevent the spread of diseases caused by blood borne pathogens to patients, following Centers for Disease Control (CDC) guidelines.
20.05	Demonstrate knowledge of the legal aspect of AIDS, including testing.