## change of COURSE PROPOSAL FORM

**ACADEMIC AREA:** HEALTH PROFESSIONS

**PROGRAM:** AS DENTAL HYGIENE

**PROPOSEd by**: Dr. Antony Contino

**PRESENTER:** Karen Molumby

**SUBMISSION DATE:** 9/26/2012

**CURRENT COURSE PREFIX, NUMBER AND TITLE:**

### DEH 2300 Pharmacology SECTION I

**TYPE(S) OF COURSE CHANGE: TYPE PROPOSED CHANGE HERE FOR EACH ITEM CHECKED:**

 lecture/lab course must have “c” / lab course must have “l”

 type new COURSE TITLE HERE

TYPE IN DEPARTMENT

 LIST ALL PREREQUISITES IN SEQUENTIAL ORDER

 sELECT MINIMUM GRADE rEQUIRED

 LIST ALL COREQUISITES IN SEQUENTIAL ORDER

 Click here to ENTER THE NUMBER CREDITS OR cLOCK HOURS

SELECT A CREDIT TYPE

 Click here to enter CONTACT HOURS

SELECT GRADE MODE



This course provides an understanding of the drugs commonly prescribed and encountered in the dental office. The indications, dosages, methods of administration, contraindications and how the drugs impact the practice of clinical dental hygiene are studied to provide a foundation in the physical manifestations to be expected from the administration of these agents.

* Introduction to clinical pharmacology
* Autonomic nervous system drugs
* Neurophysiology
* Analgesia and pain control
* General anesthetic agents
* Local anesthetic agents
* Vasoconstrictors used in local anesthetics
* Anti-microbial agents
* Pharmacology of gastrointestinal disorders
* Pharmacology of respiratory disorders
* Pharmacology of cardiovascular disorders
* Endocrine and autocoid pharmacology
* CNS drugs
* Antineoplastic drugs
* Immunotherapy
* Vitamins, minerals, and natraceutical agents

TYPE IN ALL OF THE LEARNING OUTCOMES, ASSESSMENTS AND GEN ED COMPETENCIES AS THEY SHOULD BE DISPLAYED IN THE SYLLABUS

|  |  |  |
| --- | --- | --- |
| LEARNING OUTCOMES | ASSESSMENTS | GENERAL EDUCATION COMPETENCIES |
| Describe the routes of drug administration, prescription writing, and basic principles of pharmacology. | Multiple choice, essay and/or case scenario examination questions |  |
| Explain the fundamentals of the autonomic nervous system and the commonly encountered drugs that exert their effects through those nerves and receptors.  | Multiple choice, essay and/or case scenario examination questions |  |
| Summarize the physiologic concepts of nerve conduction. | Multiple choice, essay and/or case scenario examination questions |  |
| Identify the common psychological and pharmacological methods of pain control; and analyze the efficacy of these various methods.  | Multiple choice, essay and/or case scenario examination questions |  |
| Recognize the most commonly used general anesthetic agents used today. | Multiple choice, essay and/or case scenario examination questions |  |
| Differentiate between the topical and injectable local anesthetic agents clinically available and evaluate the uses of these agents.  | Multiple choice, essay and/or case scenario examination questions | CT |
| Describe the vasoconstrictors used in local anesthetic agents and the pharmacological impact of these agents. | Multiple choice, essay and/or case scenario examination questions |  |
| Explain the indications and pharmacological effects of various anti-bacterial, anti-viral, and anti-fungal agents. | Multiple choice, essay and/or case scenario examination questions |  |
| Relate common gastrointestinal disorders to normal GI physiology; and explain the most frequently prescribed drugs for those disorders. | Multiple choice, essay and/or case scenario examination questions |  |
| Relate common respiratory disorders to normal lung function; and explain the most frequently prescribed drugs for those disorders.  | Multiple choice, essay and/or case scenario examination questions |  |
| Relate common endocrine disorders to physiology; and explain the most frequently prescribed drugs for those disorders.  | Multiple choice, essay and/or case scenario examination questions |  |
| Recognize the most common psychotherapeutic and anti-seizure medications. | Multiple choice, essay and/or case scenario examination questions |  |
| Describe the pharmacology behind the most common chemotherapeutic agents; and evaluate their effects on oral health and dental treatment.  | Multiple choice, essay and/or case scenario examination questions |  |
| Explain the basic workings of the immune system and the latest pharmacologic strategies to treat immune system disorders.  | Multiple choice, essay and/or case scenario examination questions |  |
| List the physiologic activity of vitamins, vitamin deficiencies, and the most frequently encountered natural agents being taken today.  | Multiple choice, essay and/or case scenario examination questions |  |
| Analyze the clinical and physiological impacts of pharmacological drugs that a patient may present with in a clinical environment. | Pharmacology research paper | COM |

### SECTION II (must complete each item below)

**ICS CODE FOR THIS COURSE:** ADVANCED AND PROFESSIONAL - 1.11.12 - HEALTH PROFESSIONS

**IF YOU INTEND TO RESTRICT STUDENT REGISTRATION BASED ON THE STUDENTS’ MAJOR(S), ENTER ALL APPLICABLE MAJOR RESTRICTION CODE(S)—Enter “NA” OR MAJOR code(S):**

AS DEHY

**GRADE MODE:** STANDARD GRADING

**IS THIS AN “INTERNATIONAL OR DIVERSITY FOCUS” COURSE?** NO

**IS THIS A GENERAL EDUCATION COURSE?** NO

**IS THIS A WRITING INTENSIVE COURSE?** NO

**iS THIS AN HONORS COURSE?** NO

**IS THIS A REPEATABLE\* COURSE?** NO

(A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3-credit hour course, can be repeated 1 time and a student can earn a maximum of 6 credits.)

\*not the same as Multiple Attempts or Grade Forgiveness

**IF “YES”, WHAT IS THE MAXIMUM NUMBER OF CREDITS A STUDENT CAN EARN FOR THIS COURSE? if “NO”, ENTER “na” BELOW.**

 NA

**DO YOU EXPECT TO OFFER THIS COURSE THREE TIMES OR LESS?** -- NA --

**WILL THESE CHANGES HAVE AN IMPACT ON OTHER COURSES, PROGRAMS OR DEPARTMENTS?**

NO

**IF “YES,” please eXPLAIN or submit comments (ENTER “NA” or COMMENTS):**

 NA

**IF “YES,” HAVE YOU DISCUSSED THIS PROPOSAL WITH ANYONE (FROM OTHER DEPARTMENTS AND/OR PROGRAMS) REGARDING THE IMPACT? WERE ANY AGREEMENTS MADE (ENTER “NA” OR COMMENTS)?**

 NA

**DO YOU ANTICIPATE THAT STUDENTS WILL BE TAKING ANY OF THE PREREQUISITES LISTED FOR THIS COURSE IN DIFFERENT PARTS OF THE SAME TERM?**

NO

**IS ANY COREQUISITE LISTED ON THIS COURSE LISTED AS A COREQUISITE ON ITS PAIRED COURSE?**

eXAMPLE: CHM 2032 IS A COREQUISITE FOR CHM 2032L AND CHM 2032L IS A COREQUISITE FOR CHM 2032.

 YES

### SECTION III (MUST COMPLETE EACH ITEM BELOW)

**PROVIDE JUSTIFICATION FOR EACH CHANGE ON THIS PROPOSED CURRICULUM ACTION (OTHER EXPLANATORY INFORMATION)—ENTER “na” OR TEXT:**

The Dental Hygiene program conducts a formal and ongoing review of the curriculum to assure the incorporation of emerging information and to eliminate unwarranted repetition to attain student competence. The faculty reviewed the curriculum and revised the course syllabi to be congruent with the new standards outlined by the Commission on Dental Accreditation, the Florida curriculum frameworks and the Florida state statutes.

**nOTE:** Changes for the Fall 2013 Term must be submitted and approved no later than the January Curriculum Committee Meeting prior to the start of the next academic year. Changes during mid-school year are NOT permitted. Extreme circumstances will require approval from the appropriate dean as well as the Vice President of Academic Affairs to begin in either the spring or summer term.

**TERM IN WHICH PROPOSED ACTION WILL TAKE PLACE:**

FALL 2013

TYPE IN TERM IF “EXCEPTION” AND OBTAIN BOTH SIGNATURES BELOW OR TYPE “NA”

**oRDER OF APPROVAL FOR EXCEPTIONS IS AS FOLLOWS:**

SIGNATURE #1 NEEDED FOR EFFECTIVE TERM EXCEPTION:

SIGNATURE #2 NEEDED FOR EFFECTIVE TERM EXCEPTION:

**FACULTY ENDORSEMENTS:**PLEASE SEPARATE FACULTY MEMBERS WITH A COMMA

**DEPARTMENT CHAIR / PROGRAM COORDINATOR ENDORSEMENT:**

 9/26/2012

**ASSOCIATE / ACADEMIC DEAN ENDORSEMENT:**

marie collins 10/1/2012

**DEANS’ COUNCIL Review – verified by:**

mary myers 10/17/2012

**STUDENT ASSESSMENT COMMITTEE CHAIR ENDORSEMENT:**

scott vanselow 10/19/2012

**FOR CURRICULUM COMMITTEE MEETING DATE: November 30, 2012**

Completed curriculum proposals must be uploaded to the dropbox by the deadline. Please refer to the *Curriculum Committee Critical Dates for Submission for Proposals* document available in the document manager in the MyEdisonState Portal:

* Document Manager
* VP Academic Affairs
* Curriculum Process Documents