## NEW COURSE PROPOSAL FORM

**TO:** CURRICULUM COMMITTEE

**ACADEMIC AREA:** HEALTH PROFESSIONS

**PROPOSEd by**: Dr. J. B. Elsberry

**PRESENTER:** Dr. M. Lewis

**DATE:** 9/9/2010

**COURSE PREFIX, NUMBER AND TITLE:**

### HSC 4550 PATHOPHYSIOLOGIC MECHANISMS

### SECTION I

**COURSE INFORMATION: TYPE iN THE APPROPRIATE INFORMATION FOR EACH ITEM:**

**DEPARTMENT: Health Professions—Cardiopulmonary Sciences**

**COURSE PREREQUISITE(S):** Admission to the CPS Program

**MINIMUM GRADE OF prereqUISITE(s):** C

**COURSE COREQUISITE(S):** None

**COURSE CREDITS OR CLOCK HOURS:** 3 credits

**credit type: COLLEGE CREDIT (TRANSFERABLE)**

**CONTACT HOURS:** 3 contact Hours

**COURSE DESCRIPTION:**

The advanced diagnostic process is emphasized in this course with a focus on the causes of Cardio Pulmonary disease and injuries that impact the CP System structure and function. Disease etiology and pathogenesis of pulmonary disease as well as potential therapeutic actions are developed with critical thinking in response to the diagnostic process and treatment choice.

**GENERAL TOPIC OUTLINE:**

* Pathophysiologic Mechanisms of Cardiopulmonary Diseases
* Etiology
* Differential Diagnosis
* Clinical Manifestations
* Morbidity and Mortality
* Pathogenesis,
* Treatment plan

**,LEARNING OUTCOMES:**

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

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| --- | --- | --- |
| LEARNING OUTCOMES | ASSESSMENTS | GENERAL EDUCATION COMPETENCIES |
| Analyze and evaluate the etiology, clinical manifestations, differential diagnosis, pathophysiology and treatment of pulmonary and cardiac disease entities | Quizzes and/or multiple choice exams | CT |
| Construct a grid of differential diagnoses from history and physical, to recommendations for appropriate clinical laboratory tests | Differential diagnostic grid | CT |
| Recommend appropriate clinical laboratory tests based on a differential diagnosis grid | Essays and/or multiple choice exams | CT |
| Determine the differential diagnoses, therapeutic actions and alternatives for treating a patient | Therapeutic plan | CT |
| Evaluate a patient case | Case study | COM, CT |

### SECTION II

**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):** BCPS

**GRADE MODE:** STANDARD GRADING

**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

**IF SO, WHAT IS THE MAXIMUM NUMBER OF CREDITS A STUDENT CAN EARN FOR THIS COURSE?**

**DO YOU EXPECT TO OFFER THIS COURSE THREE TIMES OR LESS?** NO

**WILL THIS NEW COURSE HAVE AN IMPACT ON OTHER COURSES, PROGRAMS OR DEPARTMENTS?** NO

**eXPLAIN:**

this course is part of a unique baccalaureate program to articulate with two A.S. degrees --Cardiovascular technology and respiratory Care.

**IF YES, HAVE YOU DISCUSSED THIS PROPOSAL WITH ANYONE (FROM OTHER DEPARTMENTS AND/OR PROGRAMS) REGARDING THE IMPACT? WERE ANY AGREEMENTS REACHED?**

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

**IS ANY COREQUISITE LISTED ON THIS COURSE ALSO LISTED AS A COREQUISITE ON ITS PAIRED COURSE?** NO

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

### SECTION III

**PROVIDE JUSTIFICATION FOR CURRICULUM ACTION (OTHER EXPLANATORY INFORMATION):**

This course represents an Upper Division, core course, in the approved BAS Program in Cardiopulmonary Sciences.

**NOTE:**

CHANGES FOR THE UPCOMING FALL TERM MUST BE SUBMITTED AND APPROVED NO LATER THAN THE FEBRUARY CURRICULUM COMMITTEE MEETING PRIOR TO THE START OF THE NEXT ACADEMIC YEAR. CHANGES DURING MID-SCHOOL YEAR ARE NOT ALLOWED. EXTREME CIRCUMSTANCES WILL REQUIRE APPROVAL FROM THE VICE PRESIDENT OF ACADEMIC AND STUDENT AFFAIRS TO BEGIN IN THE SPRING TERM. THE PROPOSED CHANGES MUST BE PRESENTED AND APPROVED BY THE SEPTEMBER CURRICULUM COMMITTEE PRIOR TO THE SPRING SEMESTER.

**EXCEPTION:**   
COURSES PUBLISHED IN THE 2010-2011 CATALOG THAT ARE PENDING CURRICULUM APPROVAL WILL BE EFFECTIVE SPRING 2011.

**TERM IN WHICH PROPOSED ACTION WILL TAKE PLACE:** EXCEPTION Spring 2011

VPASA SIGNATURE (IF NECESSARY) TO APPROVE CURRICULUM ACTION MID-YEAR:

 APPROVED EFFECTIVE TERM

VICE PRESIDENT

ACADEMIC AND STUDENT AFFAIRS

**FACULTY ENDORSEMENTS:**PLEASE SEPARATE FACULTY MEMBERS WITH A COMMA (,)



**DEPARTMENT CHAIR / PROGRAM COORDINATOR ENDORSEMENT:**

 PLEASE SELECT TODAY’S DATE.

**ASSOCIATE / ACADEMIC DEAN ENDORSEMENT:**

 PLEASE SELECT TODAY’S DATE.

**STUDENT ASSESSMENT COMMITTEE CHAIR ENDORSMENT:**

 9/19/2010

**DISTRICT DEAN OF INSTRUCTION ENDORSEMENT:**

 PLEASE SELECT TODAY’S DATE.

AFTER REVIEWING AND SIGNING THIS PROPOSAL, THE DISTRICT DEAN WILL RETURN THE PROPOSAL TO THE DEPARTMENT CHAIR OR PROGRAM COORDINATOR WILL SUBMIT THE PROPOSAL TO THE VPASA OFFICE.

THE DEPARTMENT CHAIR/PROGRAM COORDINATOR WILL SEND THIS PROPOSAL ALONG WITH ANY OTHER PROPOSALS FROM HIS/HER DEPARTMENT BEING SUBMITTED FOR REVIEW BY THE CURRICULUM COMMITTEE TO THE STUDENT ASSESSMENT COMMITTEE FOR REVIEW. ONCE APPROVED BY THE STUDENT ASSESSMENT COMMITTEE, SUBMIT THE PROPOSAL(S) TO THE OFFICE OF THE VICE PRESIDENT OF ACADEMIC AND STUDENT AFFAIRS AT LEAST TWO FRIDAYS PRIOR TO THE NEXT SCHEDULED CURRICULUM COMMITTEE MEETING.

FOR MORE DETAILS, PLEASE REFER TO THE CURRICULUM COMMITTEE GUIDELINES, CURRICULUM PROCESS FLOW CHART AND THE CRITICAL DATES TABLE BY CLICKING CURRICULUM COMIITTEE ON THE FACULTY/STAFF LINK FROM THE EDISON HOMEPAGE (CLICK ON THE CURRICULUM PROCESS LINK).

REVISED: 8/25/10