## 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:** RET 4285 CARDIOPULMONARY DIAGNOSTICS AND INTERVENTION

### 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:**

Advanced invasive Cardiac and Pulmonary diagnostic techniques–to include, but not be limited to–advanced cardiac catheterization lab procedures, intra vascular interventions, and related chemical and mechanical devices for cardiopulmonary intervention are explored in depth.

**GENERAL TOPIC OUTLINE:**

* + Percutaneous aortic and pulmonary valve replacement
  + Percutaneous mitral valve repair
  + Percutaneous mitral valve annulus repair
  + Abdominal aortic aneurysm (aaa) repair
  + Stem cell research and applications
* Ventricular assist device (vad)
* Ventricle remodeling
* **Fetal cardiac invasive procedures**
* Percutaneous occlusion of the left atrial appendage
* Percutaneous repair of atrial and ventricular septal defects
* Percutaneous repair of patent foramen ovale
* Alcohol septal ablation
* **Atrial fibrillation ablation**
* **Left main stenting**
* Chronic total occlusions

**LEARNING OUTCOMES:**

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 |
| Analyze and evaluate the clinical efficacy and technical aspects of cardio pulmonary interventional procedures. | Quizzes and/or multiple choice exams | CT |
| Analyze and evaluate the risks and benefits of cardio pulmonary interventional procedures. | Research paper and/or a patient case study | TIM,CT,COM |
| Analyze and evaluate the clinical efficacy and technical aspects of electrophysiology procedures. | Quizzes and/or multiple choice exams | CT |
| Analyze and evaluate the risks and benefits of electrophysiology procedures. | Research paper and/or a patient case study | TIM,CT,COM |

### 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?** ENTER NUMBER

**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:**

**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:

SPRING 2011



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



**DEPARTMENT CHAIR / PROGRAM COORDINATOR ENDORSEMENT:**

 9/22/2010

**ASSOCIATE / ACADEMIC DEAN ENDORSEMENT:**

 9/22/2010

**STUDENT ASSESSMENT COMMITTEE CHAIR ENDORSMENT:**

 9/20/2010

**DISTRICT DEAN OF INSTRUCTION ENDORSEMENT:**

 9/22/2010

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