938 MARINA WAY SOUTH, RICHMOND, CA 94804
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Overview

The Director of Academic Affairs in concert with Program Directors and the Faculty Senate has proposed a comprehensive and far-reaching modification of the KPSAHS Bachelor of Science programs.

Impetus for the proposed change is multifaceted: 1) a desire to deliver courses in a different way to provide students with a stronger foundation as they transition into positions as entry level imaging professionals; 2) better alignment between student experiences and outcomes with stated institutional outcomes; 3) providing students an opportunity to synthesize knowledge learned in the program of enrollment into a final project; and 4) to leverage operational efficiencies that exist within the school instructional delivery options.

The ultimate benefit projected with the degree program modification is a value-added program of instruction at the degree level, with enhancements in courses, a more tightly structured component of upper division general education, and the opportunity for cross-fertilization between programs of similar natures. Changes are not substantive or catastrophic. Rather the existing components of the program are assembled in a different form and order, with the result being creation of a culture unique to the school. The opportunity is also deployed to allow for assessment of outcomes at all levels from the collective of the degree student population. Independent of subject matter, degree program candidates will now have courses in common, at the beginning, and at the end of the program.

This creative endeavor to take existing program elements, and restructure them into a new component was initiated by the Director of Academic Affairs, supported by Program Directors, and endorsed by the Faculty Senate. At each step along the process the sensitivity exists to not disadvantage currently enrolled students, to not compromise the integrity of outcomes so painstakingly forged, but to enhance all three core programs offered at the degree level.

Essential changes for the degree program integrate the following:

- Students from all core programs will take the following courses jointly: a) Patient Care; b) Introduction to Imaging; c) Medical Ethics; d) Scientific Inquiry; and e) Capstone. All of these courses currently exist with the exception of the Capstone course.
- Students from the Radiography and Nuclear Medicine programs will take the following courses jointly: a) Cross-Sectional Anatomy; b) Radiation Safety and Biology; and c) Computers in Medical Imaging. All of these courses currently exist.
- Medical Ethics and Scientific Inquiry have been taught as upper division general education courses, but are now being identified as subject-specific courses. As a result of moving these two courses from the General Education category into program-specific courses, the General Education Committee of the Faculty Senate will be identifying additional courses to serve as upper division GE coursework, most likely from options such as, Leadership, Management, Statistics, and Service.

The changes as proposed are scheduled to be introduced in a way that does not create disruption, but it does require changes in the processes and timelines for admitting students, for registering and enrolling these students, and for close attention to the resources required in the form of faculty availability, and access to clinical facilities. To accomplish these changes without disruption of the current operation, the following next steps are anticipated:

- Faculty Senate formal approval is projected before early summer.
- Start date for the new construct delivery of the degree programs, when and if approved, is slated for Summer 2015. This date will allow time to conclude instruction in the current mode and form of the degree programs, restructure the admissions process to allow all students to begin the program on a date in common, and ensure sufficient clinical placement options for all students as they conclude didactic instruction.

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Proposed Curriculum

1. Joint Courses All Programs	2. Joint Courses Rad/NM Only	3. Radiography (1+2+3)	4. Nuclear Medicine (1+2+4)	5. DMS – General (1+5)	6. DMS – Echo (1+6)
Quarter 1					
Patient Care		Rad Procedures I	Nuc Med Math	US Physics I ← Joint →	US Physics I
Intro to Imaging		Physics & Instrumentation	Radiation Physics	Intro to Abd	Intro to CV
		Clinical		Lab	Lab
Quarter 2					
Medical Ethics		Image Production I	Instrumentation	US Physics II ← Joint →	US Physics II
		Rad Procedures II	Radiopharmaceuticals	Abdomen	Echo I
		Clinical	Clinical	Gyn	Electrophysiology (EKG)
				Lab	Lab
Quarter 3					
	Sectional Anatomy	Image Production III	Diagnostic Imaging I	OB I	Echo II
		Rad Procedures III	Cardiology	Abd II	Case Analysis
		Clinical	Clinical	Case Analysis	Clinical
				Lab	
				Clinical	
Quarter 4					
	Rad Safety & Biology	Image Analysis	Diagnostic Imaging II	OB II	Echo Pathology III
	Computers in Imaging	Rad Procedures IV	PET	Vascular	Vascular
		Clinical	Clinical	Clinical	Clinical

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Quarter 5					
Scientific Inquiry		Adv Imaging Procedure	Management	Select Topics	Pedi Echo
		Clinical	Clinical	Clinical	Clinical
Quarter 6					
Capstone		Pathology	Registry Review	Case Analysis	Case Analysis
		Clinical	Clinical	Registry Review	Registry Review
				Clinical	Clinical
Quarter 7					
		Fluoroscopy			
		Clinical			
Quarter 8					
		Registry Review			
		Clinical			

= new course