

Course List for PhD Students Admitted in Fall 2013

Dept Medical Imaging & Radiological Sciences

Required/ Elective courses	Course Title	credit	Grade	Fall	Spring	PS
Required Courses	Seminar (1)	1	1	1		
	Seminar (2)	1	1		1	
	Seminar (3)	1	2	1		
	Seminar (4)	1	2		1	
	Radiation and Nuclear Physics	3	1	3		
	Radiological Anatomy and Physiology	3	1		3	
	Biostatistics	3	1		3	
	Scientific Ethics and Paper Writing	2	2		2	
Elective Courses	Physics Measurements in Diagnostic Imaging Lab	2	1		2	O
	Physics Measurements in Radiation Therapy Lab	2	1		2	E
	Magnetic Resonance Imaging: Basic Principles and Applications	3	1		3	O
	Medical Radiation Dosimetry	3	1		3	
	Medical Health Physics	3	1	3		
	Physics of Radiotherapy	3	1	3		
	Radiobiology	3	1		3	
	Diagnostic Imaging Physics	3	1	3		O
	Physics and Pharmaceuticals in Nuclear Medicine	3	1		3	
	Medical Imaging Processing	3	1	3		O
	Functional MRI	2	1		2	E
	Ultrasound Imaging	3	1	3		O
	Special Topics in Medical Image Processing	3	1	3		E
	Special Topics in Diagnostic Imaging Physics	3	1	3		E
	Special Topics in Radiopharmaceuticals	3	1	3		E
	Clinical Practicum of Medical Physics-Diagnostic Imaging	2	2	2		S
	Clinical Practicum of Medical Physics-Radiation Therapy	2	2	2		S
	Advanced Radiotherapy Physics	3	2		3	O
	Molecular Imaging	3	2	3		E
	Particle Radiotherapy	3	2		3	E
	Radiotracer Development for Pharmacology and Neurology Studies	3	2	3		
	Radiation Detection and Measurement	3	1	3		O

Ps.

O: Course offered in odd-numbered school years (Western Calendar)

E: Course offered in even-numbered school years (Western Calendar)

S: Class scheduled in Summer Time

N: Course Offered by Graduate Institute of Natural Products (Dept Traditional Chinese Medicine)

- At least 33 graduate credits, including Dissertation (6 credits), required courses (15 credits), and selected courses (12 credits).
- Any course from other department will need prior approval given by the Graduate Program Director or thesis adviser before a student can register.
- Students can select "Biostatistics" or "Advanced Biostatistics" offered by other departments. But only 3 credits will be counted.
- Students who do not take any regular course must select thesis credit.
- The 6 credits of Dissertation will be counted after passing the Dissertation defense.
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所長:

課程召集人:

經辦: