

Table 7

**Courses Offered to Graduate Students in the Past Three Years
Department of Physics, Carleton University**

Course	Title	2010-11	2011-12	2012-13	Instructor(1)	Sessions
PHYS3308	Electromagnetism	1G/9U	1G/21U		Heather E. Logan Patricia Kalyniak	10 11
PHYS3802	Advanced Dynamics			1G/17U	Bruce Campbell	12
PHYS4202	Cosmology		2G/8U		Bruce Campbell	11
PHYS4203	Phys App of Fourier Analysis	4G/9U	2G/7U	4G/12U	Boguslaw J. Jarosz Tong Xu	10,12 11
PHYS4608	Nuclear Physics	6G/4U		2G/10U	Stephen Godfrey	10,12
PHYS4707	Intro. to Quantum Mechanics I	2G(1)/14U			Kevin Graham	10
PHYS4708	Intro to Quantum Mechanics II			1G/9U	Heather E. Logan	12
PHYS5002	Computational Physics	2G/0U	12G/0U	4G/0U	Alain Bellerive Manuella Vinciter	10,12 11
PHYS5203	Medical Radiation Physics	7G/1U	7G(5)/1U	6G(5)/1U	Paul C. Johns	10,11,12
PHYS5204	Physics of Medical Imaging	7G/0U		5G/0U	Julia C. Wallace Tong Xu	12 10
PHYS5206	Medical Radiotherapy Physics	6G/0U	6G/0U		David W. Rogers	10,11
PHYS5207	Radiobiology	11G(10)/0U		3G/0U	Ruth C. Wilkins	10,12
PHYS5208	Radiation Protection		2G/1U		David E. Wilkins	11
PHYS5209	Medical Physics Practicum	6G/0U		3G/0U	Julia C. Wallace	10,12
PHYS5210	Anatomy&Physio Med Physici			10G/3U	Timothy G. Willett	12
PHYS5291	Adv. Topics in Medical Physics			4G/1U	David W. Rogers	12
PHYS5302	Classical Electrodynamics		8G/0U	3G/0U	Thomas Gregoire	11,12
PHYS5318	Modern Optics		3G(1)/0U		John C. Armitage	11
PHYS5601	Exper Tech of Particle Physics	3G/1U	10G/0U		F. G. Oakham	10,11
PHYS5602	Physics of Elementary Particle		3G/0U	1G/0U	Alain Bellerive	11,12
PHYS5701	Quantum Mech w/Applications	2G/0U	3G/0U	2G/0U	Not Available Bruce Campbell Igor D. Ivanovic	11 12 10
PHYS5702	Relativistic Quantum Mechanics	2G/0U	4G/0U	2G/0U	Patricia Kalyniak Thomas Gregoire	11,12 10
PHYS5901	Topics in Physics (M.Sc.)	1G/0U	1G/0U		Not Available John C. Armitage	10 11s
PHYS5909	M.Sc. Thesis	37G/0U	37G/0U	38G/0U	Not Available	10,10s,11,11s,12,12s
PHYS6601	Particle Physics Phenomenology	1G/0U	4G/0U		Alain Bellerive Bruce Campbell F. G. Oakham Heather E. Logan Thomas Gregoire	11 11 10,11 10 11
PHYS6602	Particle Phys Phenomen - Adv.	1G/0U	4G/0U		Bruce Campbell David Sinclair Kevin Graham Manuella Vinciter Thomas Gregoire	11 11 11 10,11 11
PHYS6701	Quantum Field Theory	4G/0U		3G/0U	Heather E. Logan	10,12
PHYS6909	Ph.D. Thesis	66G/0U	67G/0U	66G/0U	Not Available	10,10s,11,11s,12,12s

Source: Course Master Records - 2010 to 2012; Teaching Evaluation Records - 2010 to 2012

Notes: 1. 'Not Available' appears when an instructor name is not in the Teaching Evaluation Database.
2. Numbers in '()' are the graduate student enrolments in the reported program, when less than the total graduate enrolment.
3. Excludes students officially withdrawn.

Office of Institutional Research & Planning: Jan. 10, 2013

Id: OPAS-432225