

Competencies

Cancer Epidemiology – MHS, ScM, PhD, and ScD Department of Epidemiology

			Evaluation Opportunities							
Specific Competencies	Learning Opportunities		Course Work/Exam	Written Comps	Department Preliminary Orals	School Preliminary Orals	Thesis	Final Defense	Public Thesis Presentation	Non-Thesis Research
1. Obtain advanced training in the causes of cancer and the strategies for cancer prevention and control	Comprehend and explain the basis of carcinogenesis	120.615 Molecular Biology of Carcinogenesis 340.624-5 Etiology, Prevention, and Control of Cancer I-II Cancer Epidemiology, Prevention, and Control Journal Club Research In Progress Meeting	X	X	X		X			X
	Describe genetic epidemiology as applied to the study of inherited susceptibility to cancer	340.624-5 Etiology, Prevention, and Control of Cancer I-II 340.630 Fundamentals of Genetic Epidemiology 340.664 Introduction to Genetic Epidemiology 340.820 Thesis Research Epidemiology Genetic Epidemiology Journal Club	X	X	X		X	X	X	X
Identify molecular markers in studies of cancer etiology and prevention	180.640	Molecular Epidemiology and Biomarkers in Public Health	X	X	X	X	X			X
	340.611 340.624-5 340.863	Methodologic Issues in Cancer Epidemiology Etiology, Prevention, and Control of Cancer I-II Doctoral Seminars in Epidemiology								
Identify the major risk factors associated with the development of cancers	340.624-5 Etiology, Prevention, and Control of Cancer I-II 340.627 Epidemiology of Infectious Diseases 340.820 Thesis Research Epidemiology		X	X	X	X	X	X	X	X
Describe key behavioral issues related to cancer screening and prevention	302.695	Socio-Molecular Oncology	X	X	X					
	340.624-5	Etiology, Prevention, and Control of Cancer I-II Cancer Epidemiology, Prevention, and Control Journal Club Research In Progress Meeting								
Understand social and psychological barriers to cancer screening and prevention	302.695 Socio-Molecular Oncology 340.624-5 Etiology, Prevention, and Control of Cancer I-II Cancer Epidemiology, Prevention, and Control Journal Club Research In Progress Meeting		X	X	X					X

