## University of Minnesota Industrial Hygiene Student Curriculum

School of Public Health Core Requirements:							
(Note: These courses can be taken on-line during Fall, Spring & Summer semesters)							
(110	PubH 6020	Fundamentals of Social and Behavioral Science	3 cr				
	PubH 6320	Fundamentals of Epidemiology	3 cr				
	PubH 6450	Biostatistics I	4 cr				
	PubH 6741	Ethics in Public Health: Professional Practice and Policy	1 cr [MPH]				
	PubH 6742	Ethics in Public Health: Research and Policy	1 cr [MS]				
	PubH 6751	Principles of Management in Health Services Organizations	2 cr				
	1 4011 0731	Timespies of Management in Heath Services Organizations	2 (1				
Division of Environmental Health Sciences Core Requirements:							
	PubH 6103	Exposure to Environmental Hazards	2 cr				
	PubH 6104	Environmental Health Effects: Introduction to Toxicology	2 cr				
	PubH 6105	Environmental and Occupational Health Policy	2 cr				
	PubH 7194	Culminating Experience: Environmental Health (Lit. Review/Research Paper)	3 cr [MPH]				
	PubH 7194	Culminating Experience: Environmental Health (Research Paper)	3 cr [MS]				
	PubH 7196	Field Experience: Environmental Health	3 cr				
Occupational Health and Safety Core Requirements:							
Oct	PubH 6130	Occupational Medicine: Principles and Practice	2 cr				
	PubH 6150	Interdisciplinary Evaluation of Occupational Health & Safety Field Problems	3 cr				
	PubH 6170	Introduction to Occupational Health and Safety	3 cr				
	1 4011 0170	introduction to occupational ficular and surety	3 61				
		Program Requirements:					
(No		courses are offered in alternating years)					
	PubH 6172	Industrial Hygiene Applications	2 cr				
	PubH 6173	Exposure to Physical Agents	2 cr				
	PubH 6174	Control of Workplace Exposures	3 cr				
	PubH 6175	Environmental Measurements Laboratory	2 cr				
	PubH 6192	Measurement and Properties of Air Contaminants	2 cr				
	PubH 6193	Advanced Topics in Human Exposure Science	2 cr at least 6 cr				
	INDUSTRIAL HYGIENE ELECTIVES						
Industrial Hygiene Electives (F = Fall Semester, S = Spring Semester):							
	PubH 6100	Topics: Environ. Health (Nanotechnology Health & Safety)	3 cr (S)				
	PubH 6100	Topics: Environ. Health (Complex Systems Modeling for Population Health)	2 cr (S)				
	PubH 6112	Environmental Health Risk Assessment	2 cr (S)				
	PubH 6115	Worker Protection Law	1 cr (F)				
	PubH 6116	Environmental Law	1 cr (S)				
	PubH 6120	Injury Prevention in the Workplace, Community, and Home	2 cr (S)				
	PubH 6131	Working in Global Health	2 cr (S)				
	PubH 6132	Air, Water, and Health	2 cr (F)				
	PubH 6140	Occupational and Environmental Epidemiology	2 cr (S)				
	PubH 6161	Regulatory Toxicology	2 cr (S)				
	PubH 6162	Biomarkers	2 cr (F)				
	PubH 6182	Emerging Infectious Disease	3 cr (S)				
	PubH 6190	Environmental Chemistry	3 cr (F)				
	PubH 6451	Biostatistics II	4 cr (F&S)				
	CEGE 4561	Solid Hazardous Wastes	3 cr (S)				
	CEGE 5551	Environmental Microbiology	3 cr (F)				
	IE 5511	Human Factors and Work Analysis	4 cr (F)				
	IE 5513	Engineering Safety	4 cr (F&S)				
	Kin 5001	Foundations of Human Factors/Ergonomics	3 cr (F)				
	ME 5113	Aerosol/Particle Engineering	4 cr (F)				
	PA 5721	Energy and Environmental Policy	3 cr (F)				
		proved by your academic advisor	` '				

Example Industrial Hygiene Student Course Plan
PLEASE NOTE: This course plan is an example; individual course plans may vary depending on the needs and interests of each student

Fall 1			
PubH 6103	Exposure to Environmental Hazards	2 cr	TuTh 5:45 – 7:40 (first 7 weeks)
PubH 6104	Environmental Health Effects	2 cr	TuTh 5:45 – 7:40 (last 7 weeks)
PubH 6170	Introduction to Occupational Health and Safety	3 cr	W 2:30 – 5:30
PubH 6192	Msmt. and Props. of Air Contaminants (odd years)	2 cr	WF 12:20 – 2:15 (first 7 weeks)
<i>PubH 6193</i> PubH 6450	Adv. Topics in Human Exposure Science (odd years) Biostatistics I	2 <i>cr</i> 4 cr	WF 12:20 – 2:15 (last 7 weeks) TuTh 1:25 – 3:20 + lab
	HYGIENE ELECTIVES (even years)	2-4 cr	1  u I II  1:23 - 3:20 +  I ab
II DOSTRINE	III GILIAL BELCTIVES (even years)	2 7 61	
		13-15 cr	
Spring 1			
PubH 6105	Environmental & Occupational Health Policy	2 cr	Tu 6:00 – 7:55
PubH 6150	Interdisciplinary Evaluation of OH&S Field Problems	3 cr	Tu 10:10 – 1:10
PubH 6172	IH Applications (odd years)	2 <i>cr</i>	F 9:05 – 11:00
PubH 6173	Exposure to Physical Agents (even years)	2 cr	<i>M</i> 4:40 – 6:40
PubH 6174	Control of Workplace Exposures (odd years)	3 cr	M4:40-7:40
PubH 6175	Environmental Measurements Laboratory (even years)	2 cr	W12:20-4:25
INDUSTRIAL	HYGIENE ELECTIVES	2-4 cr	
		11-14 cr	
Summer			
PubH 7196	Field Experience	3 cr	
	1		
		3 cr	
Fall 2			
PubH 6020	Fundamentals of Social and Behavioral Science	3 cr	TuTh 11:15 -12:30
PubH 6192	Msmt. and Props. of Air Contaminants (odd years)	2 cr	WF 12:20 – 2:15 (first 7 weeks)
PubH 6193	Adv. Topics in Human Exposure Science (odd years)	2 cr	WF 12:20 – 2:15 (last 7 weeks)
PubH 6320	Fundamentals of Epidemiology	3 cr	TuTh 3:35 – 5:30
PubH 6741/2	Ethics in Public Health	1 cr	M 10:10 – 12:05 or 12:20 – 2:15
DIDLIGEDIAL	INCHENE EL ECTIVES (	2.4	(half semester)
INDUSTRIAL	HYGIENE ELECTIVES (even years)	2-4 cr	
		9-11 cr	
Spring 2			
PubH 6130	Occupational Medicine	2 cr	W 5:00 – 7:00
PubH 6172	IH Applications (odd years)	2 cr	F 9:05 – 11:00
PubH 6173	Exposure to Physical Agents (even years)	2 cr	<i>M</i> 4:40 – 6:40
PubH 6174	Control of Workplace Exposures (odd years)	3 cr	M4:40-7:40
PubH 6175	Environmental Measurements Laboratory (even years)	2 cr	W 12:20 – 4:25
PubH 6751	Principles of Mgmt. in Health Services Organizations	2 cr	on-line
PubH 7194	Culminating Experience	3 cr	
		11-12 cr	
TOTAL CRE	DITS (assuming 6 elective credits)	52 cr	