

**REQUIRED COURSES FOR
OCCUPATIONAL SAFETY AND ERGONOMICS**

Quarter	Course	Number	Credits
Autumn Year 1	Environmental Health Seminar	26-ENV-701	1
	Practice in Occupational Exposure Assessment I	26-EIH-741	3
	Identification of Potential Workplace Exposures	26-EIH-904	2
	Introduction to Biostatistics	26-BE-787	4
	Principles of Occupational Exposure Assessment	26-EIH-707	3
	Current Topics in Industrial Hygiene	26-EIH-981	<u>1</u>
			16
Winter	Environmental Health Seminar	26-ENV-702	1
	System Safety I	20- MINE-621	3
	Safety Engineering & Product Liability	20- INDS-779	3
	Physical Aspects of Environment	26-EIH-790	3
	Identification of Potential Workplace Exposures	26-EIH-905	3
	Introduction to Epidemiology	26-BE-776	3
	Current Topics in Industrial Hygiene	26-EIH-982	<u>1</u>
			17
Spring	Environmental Health Seminar	26-ENV-703	1
	System Safety II	26-MINE-622	3
	Principles of Ergonomics	26- OSE-792	3
	Introduction to Measurement Techniques in Ergonomics	26- OSE-748	3
	Mgt. of Professionals	20-MINE-640	3
	Current Topics in Industrial Hygiene	26-EIH-983	1
	Electives ^a	-----	<u>Var</u> 15 minimum
Summer	Ergonomic Internship ^b		
Autumn Year 2	Environmental Health Seminar	26-ENV-701	1
	Health Physics	20- NUC-640	3
	Occupational Health Hygiene and Safety Workshop	26-ENV-819	1
	Hazardous Materials Management	26-EIH-834	2
	Biomechanical and Physiological Aspects of Muscular activities	26- OSE-744	3
	Current Topics in Industrial Hygiene	26-EIH-981	1
	Master Thesis Research ^c	26-ENV-791	Var
Electives	-----	<u>Var</u> 15 minimum	
Winter Year 2	Environmental Health Seminar	26-ENV-702	1
	Teaching Practicum	26-EIH-725	1-3
	Occupational. Health, Hygiene and Safety Workshop	26-ENV-820	Var
	Ethics in Research	26-GNTD-730	2
	Current Topics in Industrial Hygiene	26-EIH-982	1
	Master Thesis Research	26-ENV-791	1
	Electives	-----	<u>Var</u> 15 minimum

Quarter	Course	Number	Credits
Spring	Environmental Health Seminar	26-ENV-703	1
Year 2	Occupational Health, Hygiene and Safety Workshop	26-EIH-821	2
	Current Topics in Industrial Hygiene	26-EIH-983	1
	Master Thesis Research	26-ENV-791	Var
	Electives	-----	<u>Var</u> 15 minimum

a) Student is expected to take all course above and to choose a minimum of 9 credits from the following list:

- Introduction to Biomechanics/ 20-MECH-685 (3)
- Organizational Behavior & Theory / 22-MGMT-711 (4)
- Basics of Occupational Medicine/26-OCCM-786 (2) (offered only in academic years beginning with odd numbers; not offered 2005-06)
- Occupational Safety / 20-INDS-520/710 (3)
- Human Factors Analysis / 20-INDS-624 (3)
- Regression Analysis / 26-BE-788 (3)
- Stress and Cognition / 15-PSYCH-824 (3)
- Basics of Environmental Medicine /26-OCCM-987 (2) (offered only in academic years beginning with odd numbers; not offered 2005-06)
- Nonparametric Statistics / 26-BE-789 (3)
- Human Body Dynamics / 20-MECH-687 (3)
- Human Factors Design / 20-INDS-630 (3)
- Effective Methods of Worker Health and Safety Training/ 26-EIH-846 (2)
- Practice in Occupational Exposure Assessment II/ 26-EIH-742 (3)
- Evaluation of Workplace Exposures/ 26-EIH-775 (3)

b) Students are expected to work as an occupational ergonomic/safety intern or work on his/her thesis during the summer between year 1 and 2. See your advisor for details.

c) A form available in Graduate Studies office must be completed and returned to Graduate Studies.

The student is expected to take all courses listed above. Any required course may be waived with the permission of the instructor and advisor when the student has had the equivalent course content; the graduate studies office has a form to document these approvals. Another course with equivalent credit hours must then be selected. The academic advisor will assist in this process.