

Environmental Studies Ph.D. Program

The Environmental Studies Ph.D. program engages within an extremely diverse array of environmental disciplines encompassing health, biological, physical, technological and socioeconomic aspects of environmental issues and concerns.

The program aims at:

- Cultivating and enhancing a multidisciplinary research culture that is critical for finding solutions to, or elucidating the root causes of, today's pressing environmental challenges,
- Enhancing the professional skills of the graduate towards the ability to think critically, creatively, and holistically about environmental issues as an active leading researcher or highly-specialized professional in academic, public, private or non-profit organizations.

Program Structure and Award Requirements

Course code	Course title	Credit hours
2001800	Environmental sciences and policies	3
2001801	Ecotoxicology	3
2001802	Advanced environmental physics	3
2001803	Environmental systems optimization	3
2001804	Environmental toxicology	3
2001805	Occupational health and environmental safety	3
2001806	Environmental Health and safety management	3
2001807	Food toxicology	3
2001808	Protein chemistry	3
2001809	Enzymes	3
2001810	Physiology of environmental stress	3
2001811	Recent trends in solid waste management	3
2001812	Environmental disasters management	3
2001813	Microbiology of stressed environments	3
2001814	Genetic control of microorganisms	3
2001815	Solid waste handling and management	3
2001816	Advanced air pollution	3
2001817	Digital image processing and remote sensing	3
2001818	Climatic changes – regional effects and adaptation	3
2001820	Environmental risk assessment and management	3
2001822	Integrated coastal zones management	3
2001823	Soil pollution (modeling and control)	3
2001824	Marine pollution monitoring and control	3
2001825	Environmental geology	3
2001826	Environmental oceanography	3
2001827	Data mining	3
2001829	Industrial pollution control	3
2001830	Oxidants, antioxidants and free radicals	3
2001831	Geographic information systems and environmental applications	3
2001832	Economic assessment of environmental projects (3)	3
2001834	Environmental chemistry	3
2001835	Genetic toxicology	3

2001836	Elective course	3
2001837	Food and environmental toxins	3
2001838	Endocrine disruptors	3
2001839	Standard methods for water analysis	3
2001840	Water treatment technology	3
2001841	Recent methods in industrial waste water treatment	3
2001842	Fresh water resources in Egypt	3

Enrolled Students are awarded the degree when;

1. Passing 18 CH for the courses with a CGPA of at least C⁺.
2. Passing the comprehensive exam.
3. Successfully preparing and defending the doctoral thesis dissertation.