

Doctor of Philosophy (PhD) in

Environmental Engineering

(Waste Containment Remediation and Technology)

YEAR ONE

Course Code	PhD: First Semester Courses Year 1	Credit
ENV 901	Introduction to Environmental Management	2
ENV 902	Contemporary Environmental Challenges	3
ENV 903	Environmental Assessment	3
ENV 904	Remote Sensing in Environmental Management	2
ENV 905	Geographic Information Systems	2
ENV 906	Disaster Preparedness and Management	3
TOTAL CREDITS		15
Course Code	PhD: Second Semester Courses Year 1	Credit
ENV 911	Environmental Policy and Law	2
ENV 912	Air Pollution, Prevention and Control	3
ENV 913	Waste Management	3
ENV 914	Watershed Management	2
ENV 915	Marine and Coastal Zone Management	2
ENV 916	Year One: Independent Research I	3
TOTAL CREDITS		15

YEAR TWO

Course Code	PhD: First Semester Courses Year 2	Credit
ENV 921	Urban Planning and Environmental Management	2
ENV 922	Social and Ethical Dimensions	3
ENV 923	Environmental Conflict Resolution	3
ENV 924	Energy Resources Planning and Management	2
ENV 925	Prototypes	2
ENV 926	Renewable and Non-Renewable Energy	3
TOTAL CREDITS		15
Course Code	PhD: Second Semester Courses Year 2	Credit
ENV 1001	Principles of Biofuels	2
ENV 1002	Sustainable Infrastructure	3
ENV 1003	Sustainable Agriculture	3
ENV 1004	Solid and Hazardous Waste	2
ENV 1005	Water Monitoring	2
ENV 1006	Year Two: Independent Research II	3
TOTAL CREDITS		15



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YEAR THREE

Course Code	PhD: First Semester Courses Year 3	Credit
ENV 1011	Environmental Policy	2
ENV 1012	Water Quality	3
ENV 1013	Low Impact Development	3
ENV 1014	Advanced Soil Chemistry	2
ENV 1015	Probabilistic Methods in Engineering Systems	2
ENV 1016	Transportation and Air Quality	3
TOTAL CREDITS		15
Course Code	PhD: Second Semester Courses Year 3	Credit
ENV 1021	Biodegradation and Bioremediation	2
ENV 1022	Industrial Waste Treatment	3
ENV 1023	Industrial Ecology	3
ENV 1024	Professional Development	2
ENV 1022	Year Three: PhD Research Thesis	5
TOTAL CREDITS		15

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