

**UNDERGRADUATE PROGRAM CURRICULUM  
ENVIRONMENTAL MANAGEMENT – USP/ESALQ  
2014**

Courses are sorted by recommended completion sequence		Credits			Hours	
Mandatory Courses		In class	Workload	Total	Total	Semester
CEN0140	Environmental Geoscience	4	1	5	90	1
LCB0109	General Botany	4	1	5	90	1
LCE1112	Calculus and Mathematics Applied to Environmental Management	4	0	4	60	1
LES0101	Introduction to Economics	4	0	4	60	1
LES0111	Introduction to Environmental Management	3	0	3	45	1
LES0113	Introduction to Social Sciences	2	1	3	60	1
<b>First Semester - Total</b>		<b>21</b>	<b>3</b>	<b>24</b>	<b>405</b>	
CEN0107	Energy and Biosphere	2	0	2	30	2
CEN0120	Principles of Biochemistry	2	0	2	30	2
LCE0180	Environmental Chemistry	4	0	4	60	2
LCE2112	Statistics Applied to Social and Environmental Sciences <i>LCE1112 - Calculus and Mathematics Applied to Environmental Management</i>	4	0	4	60	2
LES0107	Administration Theory <i>LES0101 - Introduction to Economics</i>	4	1	5	90	2
LFN0125	Environmental Microbiology	2	0	2	30	2
LFN0233	Animal Science and Environment	3	1	4	75	2
<b>Second Semester - Total</b>		<b>21</b>	<b>2</b>	<b>23</b>	<b>375</b>	
CEN0148	Systems Ecology <i>CEN0107 - Energy and Biosphere</i>	4	1	5	90	3
LES0150	History of the Environmental Movement	2	0	2	30	3
LES0237	Society, Culture and Nature <i>LES0113 - Introduction to Social Sciences</i>	4	1	5	90	3
LES0250	Accounting Focused on Environmental Management <i>LCE2112 - Statistics Applied to Social and Environmental Sciences</i>	3	1	4	75	3
LES0611	Institutions of Law <i>LES0113 - Introduction to Social Sciences</i>	4	0	4	60	3
LSO0257	Principles of Edaphology <i>CEN0140 - Environmental Geoscience</i>	4	1	5	90	3
<b>Third Semester - Total</b>		<b>21</b>	<b>4</b>	<b>25</b>	<b>435</b>	
CEN0212	Pollution of Terrestrial, Aquatic and Atmospheric Ecosystems <i>CEN0148 - Systems Ecology</i>	4	1	5	90	4
LCF0577	Biodiversity Management <i>LCB0109 - General Botany</i> <i>LES0237 - Society, Culture and Nature</i> <i>LFN0233 - Animal Science and Environment</i>	4	0	4	60	4
LEB0210	Geoprocessing <i>LCE1112 - Calculus and Mathematics Applied to Environmental Management</i>	4	0	4	60	4
LEB0360	Hydrology <i>LSO0257 - Principles of Edaphology</i>	2	1	3	60	4
LES0177	Brazilian Environmental History	2	0	2	30	4
LES0687	Natural Resources and Environmental Economics <i>LES0101 - Introduction to Economics</i>	4	0	4	60	4
<b>Fourth Semester - Total</b>		<b>20</b>	<b>2</b>	<b>22</b>	<b>360</b>	
CEN0150	River Basin Hydrogeochemistry	2	1	3	60	5
LCF0270	Environmental Education	4	0	4	60	5
LEB0244	Energy Resources and Environment <i>LEB0360 - Hydrology</i>	2	0	2	30	5
LES0110	Financial Administration Applied to Environmental Management <i>LES0250 - Accounting Focused on Environmental Management</i>	3	1	4	75	5
LES0217	Administration of Human Resources <i>LES0107 - Administration Theory</i>	4	0	4	60	5
LES0248	Organization and Methods <i>LES0107 - Administration Theory</i>	4	1	5	90	5
<b>Fifth Semester - Total</b>		<b>19</b>	<b>3</b>	<b>22</b>	<b>375</b>	

\* Courses in italics are prerequisites to courses displayed above them

Courses are sorted by recommended completion sequence		Credits			Total	
Mandatory Courses		In class	Workload	Total	hours	Semester
LCF0280	Quantitative Methods for Environmental Management <i>LES0110 - Financial Administration Applied to Environmental Management</i>	4	0	4	60	6
LCF0300	Urban Environmental Management <i>LCF0270 - Environmental Education</i>	4	1	5	90	6
LES0218	Principles of Marketing <i>LES0107 - Administration Theory</i>	4	0	4	60	6
LGN0479	Genetics and Socio-environmental Issues <i>CEN0212 - Pollution of Terrestrial, Aquatic and Atmospheric Ecosystems</i>	4	1	5	90	6
LSO0360	Restoration of Degraded Lands <i>LSO0257 - Principles of Edaphology</i>	4	1	5	90	6
<b>Sixth Semester - Total</b>		<b>20</b>	<b>3</b>	<b>23</b>	<b>390</b>	
LCF0694	Auditorship and Environmental Certification <i>LES0611 - Institutions of Law</i>	2	1	3	60	7
LCF1697	Environmental Impact Assessment	4	1	5	90	7
LES0175	Social and Environmental Projects Elaboration and Analysis <i>LCF0577 - Biodiversity Management</i> <i>LES0110 - Financial Administration Applied to Environmental Management</i>	3	1	4	75	7
LES0303	Tourism Management in Natural Environments <i>LES0218 - Principles of Marketing</i>	4	1	5	90	7
LGN0321	Human Evolutionary Ecology	4	1	5	90	7
<b>Seventh Semester - Total</b>		<b>17</b>	<b>5</b>	<b>22</b>	<b>405</b>	
CEN0190	GIS Principles and Application in Environmental Studies	3	1	4	75	8
LCF0444	Final Report in Environment Management I	1	5	6	165	8
LES0614	Environmental Law <i>LES0611 - Institutions of Law</i>	4	0	4	60	8
<b>Eighth Semester - Total</b>		<b>8</b>	<b>6</b>	<b>14</b>	<b>300</b>	
<b>Grand Total</b>		<b>147</b>	<b>28</b>	<b>175</b>	<b>3045</b>	

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<b>Ideal duration: 8 semesters</b>	<b>Minimum duration: 8 semesters</b>	<b>Maximum duration: 12 semesters</b>
<b>Total credits required for program completion: 176 (in class + workload)</b>		