



ENVIRONMENTAL ENGINEERING
COURSE EQUIVALENTS
2004 Edition

University of Alberta

University of Calgary

04-ENV-A1	Principles of Environmental Engineering		
CivE 221	Environmental Engineering Fundamentals	ENCI 481	Introduction to Environmental Engineering
04-ENV-A2	Hydrology and Municipal Hydraulics Engineering		
EnvE 320 & EnvE 421	Environmental Hydrology Municipal Systems	ENCI 533 & ENCI 581	Engineering Hydrology Water and Wastewater Engineering
04-ENV-A3	Geotechnical Hydrogeological Engineering		
CivE 381 & EAS 323	Soil Mechanics Introduction to Hydrogeology	ENCI 423 & GEOL 401	Soil Mechanics Physical Hydrogeology
04-ENV-A4	Water and Wastewater Engineering		
EnvE 222 & EnvE 324	Chemical and Physical Processes Biological Processes	ENCI 581	Water and Wastewater Engineering
04-ENV-A5	Air Quality and Pollution Control Engineering		
EnvE 323	Principles of Air Quality Management and Control	ENCH 643	Environmental Engineering Aspects of Air Pollution
04-ENV-A6	Solid Waste Engineering and Management		
EnvE 432	Solid Waste Management	ENCI 591	Solid and Hazardous Waste Engineering
04-ENV-B1	Environmental Assessment and Management Systems		
EnvE 302 & EnvE 322	Environmental Impact Assessment Environmental Protection	ENSC 503 & EVDS 747	Environmental Assessment and Hearings Management in Environmental Science

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04-ENV-B2	Water Resources		
CivE 321	Principles of Environmental Modeling and Risk	ENCI 589	Air and Water Pollution
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CivE 431	Water Resources Engineering	EVDS 749	Water Management
04-ENV-B3	Contaminant Transport		
	No course equivalent	ENCI 589	Air and Water Pollution
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		GEOL 505	Contaminant Hydrogeology
04-ENV-B4	Site Assessment and Remediation		
	No course equivalent	ENCI 587	Site Assessment and Remediation
04-ENV-B5	Industrial & Hazardous Waste Management		
	No course equivalent	ENCI 745	Hazardous Waste and Contaminated Sites Management
04-ENV-B6	Agricultural Waste Management		
	No course equivalent		No course equivalent
04-ENV-B7	Environmental Sampling and Analysis		
CivE 620	Environmental Engineering Measurements I	ENME 619.56	Aerosol/Particulate Sampling and Characterization
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CivE 627	Environmental Engineering Measurements II	ENCH.619.45	Experimental Design and Data Analysis for Environmental Engineering
04-ENV-B8	Instrumentation and Process Control		
CHE 446	Process Dynamics and Control	ENCH 529	Process Dynamics and Control
		OR	
		ENME 585	Control Systems
04-ENV-B9	Environmental Chemistry and Microbiology		
EnvE 220	Environmental Chemistry for Engineering	CHEM 421	Environmental Chemistry
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EnvE 324	Biological Processes	CMMB 543	Microbiology of Natural Systems

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