

UC Berkeley Extension Professional Program in Responsible Global Change Management

REQUIRED COURSE DESCRIPTIONS

Overcoming Barriers to Implementing Sustainable Change – Required

X417 (1 semester unit in Natural Resources)

The day-to-day work of implementing organizational change for improved sustainability at the global or local level is challenging and complex. The sophisticated implementation techniques presented in this course enable sustainability coordinators, green-team staffers, and environmental health and safety staff to swiftly overcome psychological, technical, and financial barriers. Topics include: modern sustainability principles and models, community-based social marketing, technical feasibility studies, life-cycle cost-benefit analyses, and the role of persuasive narratives to quickly generate support for green projects.

Sustainability Leadership—Strategies and Paradigms – Required

X419 (1 semester unit in Natural Resources)

Learn the fundamental qualities, attributes and competencies to be an effective sustainability leader. This course teaches you how to determine whether your company is organized in a sustainable manner. It also helps you understand what is required of you as a leader when the demands of declining resources affect your company's bottom line. You learn how to effectively communicate sustainability in your work environments, link green initiatives to cost savings and brand recognition, and engage shareholders and stakeholders in making decisions that move individuals, teams, and companies towards sustainability.

Introduction to Sustainability Management – Required

(0.7 ceu)

Examine the paradigm of sustainability in the context of environmental, economic, and social forces that shape emerging policies and management decisions. Investigate the possibility of creating a common set of sustainability principles that apply to industries, institutions, and individuals. Understand how these principles affect diverse global demographic groups and create challenges for local and regional managers. Learn basic information, concepts, methods, and tools for assessing, implementing, and managing sustainability initiatives to build a foundation for a sustainable future.

Introduction to Environmental Management – Required

(0.7 ceu)

Learn environmental issues and management challenges from a local, national, and international perspective to build a solid foundation for your sustainability education and career. Examine the fundamentals of pollution sources and study key federal environmental policies, basic air and water treatment, recycle and waste remediation technologies and methods. Review case studies on regional and global environmental problems and study challenges and opportunities on various contemporary environmental topics. Learn career paths opportunities in the environmental sector so you can build a foundation for a sustainable future.

Climate Change and Law AB 32: What It Means for You – Required

(0.7 ceu)

After decades as a scientific and political issue, climate change now emerges as the basis for statutory compliance requirements and market-driven economic activities. California has been a leader in this transition for a number of years, and recently enacted AB 32 to establish

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statewide emission limits and enforceable standards to meet those limits. Learn requirements set forth in AB 32 and other laws and gain a solid understanding of related issues.

Introduction to Ecological Asset Management – *Required* (0.7 ceu)

Learn the principles of ecosystem services within the emerging ecological economy. Study the innovative method of Ecological Asset Management for managing investments in sustainable ecosystem services and learn how these principles are being applied by federal and state agencies in making effective environmental policies. Study certifiable standards and field practices of how natural and human capital are being preserved, restored, and enhanced. Review eco-asset management case studies and explore the critical role such management can play in enhancing the triple bottom line—financial, environmental, and social.