TM135: Sustainability: Principles & Practice
Training Description:

This course is designed to help participants deepen and strengthen their sustainability efforts, by introducing new research on how sustainability principles and practice can inform goals and actions. Many organizations, companies, and institutions are increasingly conducting their activities with an eye towards managing environmental, social, and other concerns over a longer-term future. However, despite many existing efforts, substantial challenges remain. This course will deepen and enhance knowledge and practical skills for participants in the area of integrating sustainability into business practices, operations, policies, and research and development. We will examine the major environmental issues and trends happening in modern society from a scientific and practical perspective, including energy and resource use, pollution, climate change, water, and population. We will explore why, despite much talk about sustainability, many trends are still headed in the wrong direction — and how the latest research in sustainability science and engineering can help reverse them. The course emphasizes sustainability in all its dimensions, including all “three E’s” of environment, economics, and equity.

Training Objective:

By the end of the training, participants will be able to:

✓ Describing and defining the state-of-the-art in sustainability assessment and planning
✓ Understanding the environmental, social, and economic drivers of sustainability challenges and their status and trends
✓ Analyzing the benefits and addressing the shortcomings of sustainability goals and indicators
✓ Formulating effective short and long term sustainability objectives and plans
✓ Appraising and evaluating new sustainability practices and programs at an organizational or institutional scale

Training Designed for:

This course is intended for professionals from a wide-range of industries and sectors who are interested in sustainability issues. Participants from local, state, and federal government, especially those who are engaged in environmental and planning activities, would also benefit from the course. There is approximately equal emphasis on science/engineering, policy, and business perspectives.

Training Program:

**DAY ONE:**

❖ PRE-TEST
❖ Introduction
❖ What is Sustainability?
  • Participants will be introduced to the concept of sustainability, with special attention to historical and international perspectives. Different definitions of sustainability will be introduced and discussed and an interactive exercise will explore sustainability definitions and relevance to different organizations and contexts
Topics include:
- Large-scale trends and grand challenges of sustainability
- Sustainability in context: historical and multinational perspectives
- Definitions of sustainability

**DAY TWO:**

❖ **Trends and Strategies**
- Lectures and discussions will focus in depth on the specific areas in which societies and organizations might be concerned with sustainability. Among these are energy, materials, natural resources (water, land, etc.), and social justice concerns. We will identify common challenges in these areas and strategies to address them, using case studies to inform discussions. Topics include:
  - Sustainability of global resources
  - Materials use and life-cycle analysis
  - Water quantity and quality
  - Toxic substances and policies

**DAY THREE:**

❖ **Setting Goals and Measuring Progress**
- Lectures and activities will identify best practices in setting concrete goals and designing appropriate, measurable indicators in the area of sustainability. This will involve discussions about how to identify and define what is and what is not sustainable. Topics include:
  - Sustainability goals and planning
  - Benchmarks and indicators
  - Measuring progress
  - Adaptive management strategies

**DAY FOUR:**

❖ **Business Perspectives**
- Through interactive assignments, participants will explore the advantages of sustainability-related planning in a business context, focusing on the “triple bottom line” of economic, ecological, and social progress. An interactive project will focus on hands-on sustainability planning for organizations and their staff.

**DAY FIVE:**

❖ **Perceptions, Communication and Wrap-up**
- The final day’s class will explore relationships between organizations and the public in sustainability efforts. Lectures and discussions will introduce theories and practical techniques to communicate environment and sustainability information within organizations and to the public

❖ Course Conclusion
❖ POST-TEST and EVALUATION
Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request”. Laptops are required for this course.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 30% Workshops & Work Presentations, Techniques
- 20% Based on Case Studies & Practical Exercises
- 20% Videos, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

As per the course location - This rate includes participant’s manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:
- 07:45 - 08:00 Morning Coffee / Tea
- 08:00 - 10:00 First Session
- 10:00 - 10:20 Recess (Coffee/Tea/Snacks)
- 10:20 - 12:20 Second Session
- 12:20 - 13:30 Recess (Prayer Break & Lunch)
- 13:30 - 15:00 Last Session

For training registrations or in-house enquiries, please contact:
Aisha Relativo: aisha@cmc-me.com
Tel.: +971 2 665 3945 or +971 2 643 6653 | Mob.: +971 52 2954615
Training & Career Development Department