



EINGICE

**EINGICE 2025
PRE-CONFERENCE TRAINING
SHORT COURSE II**

TO WHOM IT MAY CONCERN

TO: OIL AND GAS INDUSTRY TRAINERS;
UNIVERSITY LECTURERS AND PROFESSORS;
ENERGY TECHNOLOGY INSTRUCTORS;
TECHNICAL TRAINING CONSULTANTS;
COMPANY IN-HOUSE TRAINERS;
HCD PRACTITIONERS.

FROM: EINGICE SECRETARIAT



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An intensive 2-Day Training Short Course on:

GLOBAL BEST PRACTICES FOR TEACHING, LEARNING, TRAINING AND HUMAN CAPACITY DEVELOPMENT IN THE ENERGY SECTOR

Become a World-Class Trainer and Instructor in the Energy Sector

Scheduled Short Course Date

Classroom (In-Person) and Online (Virtual)

28 - 29 October, 2025

Conference Venue

Transcorp Hilton Abuja, Nigeria

Course Description

This intensive 2-Day training short course on ***Global Best Practices for Teaching, Learning, Training and Human Capacity Development in the Energy Sector*** will highlight important findings on the nature of learning, teaching, and training that promote student understanding as well as provide a detailed overview and discussion of global best practices for teaching, learning, training and human capacity development. The course will demonstrate how to incorporate innovative methods and practices into teaching, training and human capacity development in order to enable instructors make learning, teaching and training more effective. This course covers topics like: (1) how to design a course; (2) how students learn and what are the big ideas; (3) how to design effective course exercises, assignments, problem set, and assessments; (4) best methods for promoting critical thinking skills, knowledge retention and transfer; and (5)



best methods for delivery and presentation. Overall, please note that this course is designed for delegates with a variety of interests, backgrounds, and career goals, emphasizing science, technology, engineering, energy, math, and other technical fields.

Course Goals and What Delegates will Learn

Delegates will learn how:

- 1) To apply research on how students learn to instructors and trainers teaching methods to promote students understanding.
- 2) To design effective courses by identifying intended learning objectives and aligning instructors and trainers' assessment activities and instructions with those objectives.
- 3) To write and prepare course exercises, assignments, problems, and assessments that really foster student learning and test whether intended learning objectives of instructors have been met.
- 4) To plan, present and/or deliver effective lectures and/or trainings.
- 5) To design interactive pedagogies (i.e. teaching methods and practices) that increase student learning and promote intended learning objectives.

Training Delivery Approaches

This course will include five modules, with all the content delivered through various teaching and training strategies, including the use of pre- and post-reading exercises, audios, videos, and relevant interactive activities. Delegates will really get most out of the course if they work with fellow course participants/delegates. During each module, delegates will be asked to participate and collaborate to complete interactive activities. Delegates will also be asked to contribute their answers to class questions and activities. For each module, the course instructor will be ready to answer delegates' questions. At the end of each module, delegates will be asked to reflect on what they have learned, and complete an evaluation of each module. This is a way to find out what delegates thought about each module, its delivery and impact.



Target Audience

This course is for those who wish to develop, improve, and hone their teaching, training and human capacity development (HCD) skills, including:

- Oil and gas industry trainers/instructors.
- University lecturers and professors.
- Energy technology instructors and facilitators.
- Technical training consultants.
- Energy company in-house trainers and instructors.
- Human capacity development (HCD) practitioners.
- Doctoral (PhD) and postdoctoral candidates.

Organizational and Personal Impact

Organizational Impact includes the introduction of innovation and creativity into energy, oil and gas, science and technology, and engineering course planning, development, content and curricular. The personal impact on the delegates is various including exposure to cutting-edge pedagogical methods and practices.

Daily Agenda and Course Content

The five modules for this course delivered over 2 days are:

- 1) The science of learning.
- 2) Designing a course and constructing a syllabus.
- 3) Constructive effective course exercises, assignments, problem sets and exam/assessment questions.
- 4) Planning and presenting and lecture.
- 5) Interactive teaching and active learning.

Day One:

- ✓ The module on principles of teaching and learning (i.e. the science of learning) will provide detailed introduction on how people learn, and strategies for incorporating



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learning research findings into your own course. The course will also explore techniques for self-reflection that can be used to document what is and is not working in your own courses.

- ✓ The module on designing a course and constructing a syllabus, we will focus on how to use backward design when designing your course. Powerful course designs begin with identifying your goals and your learning objectives: What are the big ideas of this course and what do I want my students to know and be able to do by the time they finish my course. We will then illustrate how your course goal and learning objectives can be used to prioritize course content, course design assignments and assessments/exams that align and document whether your learning objectives have been met, and also designing instructional activities that further your learning objectives.

Day Two:

- ✓ The module on constructing effective course exercises, assignments, problem sets and assessment/exam questions, will highlight ways in which classroom exercises, homework assignments and assessment/exam questions can be designed to best support sort of learning. Delegates will design problems that align and reinforce desired learning objectives.
- ✓ The module on planning and presenting a lecture will explore how to organize and present a lecture for effective instruction. This will help delegates understand how to structure their lecture/training material, craft and deliver information to keep their students' attention. In particular, instructors will focus on how to modify traditional lectures and training materials to maximize instruction. One of the most important findings in educational research is that students learn best by doing.
- ✓ The fifth and final module on interactive teaching and active learning will discuss the reason for interactive teaching, and provide examples of questions and techniques that can be used or adapted to really increase student understanding and interest.

Certification

On successful completion of this Classroom and Online Training Course, a Certificate/E-Certificate endorsed by Empowering the Teachers Fellows and Professors from the Massachusetts Institute of Technology (MIT), United States of America, will be awarded.



Course Participation Opportunities, Benefits and Perks

1. *You will become a World-Class Energy, Oil and Gas Industry Instructor and Trainer.*
2. *You will receive a certificate of achievement endorsed by MIT trained University Lecturers and Professors.*
3. *You will be granted free attendance to the 2-Day, top-tier natural gas industry conference – EINGICE 2025.*
4. *You will be granted free accommodation for 4 nights in Abuja during the 2-Day professional training short course and during the 2-Day conference.*
5. *You will be granted free three-course meal during lunch break for 4 days in Abuja during the 2-Day pre-conference training and during the 2-Day conference.*

Training Short Course Fee

Classroom/In-Person: N550,000

Online/Virtual: N450,000

Registration and Payment Information

Register and pay for this training via the following link:

<https://forms.gle/1qGuiCb6MhLuQ6K36>

Forward evidence of payment to:

eingice-training@eingice.org



Additional Information

For additional information or clarification, send email to:

eingice-training@eingice.org