Unitar Online Catalogue

CIFAL Malaga - Teaching for Impact: Practical Approaches to STEM-TVET Education

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截止日期 : 12 5月 2025

种类 :	Course
位置 :	Doha, Qatar
日期 :	12 5月 2025 to 15 6月 2025
期限 :	8 Hours
项目领域 :	Decentralize Cooperation Programme
网址 :	https://www.udst.edu.qa/
价格 :	US$68.00
活动协调人 email:	info@cifalmalaga.org
合伙 :	CIFAL Malaga, , University of Doha for Science and Technology

背景信息

The ‘Teaching for Impact: Practical Approaches to STEM-TVET Education’ program will provide the new and seasoned educators with the understanding and the ability to apply the STEM-TVET disciplines

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Explain the University’s commitment to the UN Sustainable Development Goals and the 2030 Agenda. • Explain the importance of STEM-TVET education in addressing workforce needs and global challenges. • Describe the relevance of STEM-TVET to the Fourth Industrial Revolution and Qatar’s National Vision 2030. • Apply active learning and interdisciplinary techniques within STEM-TVET contexts. • Identify opportunities to incorporate educational technologies—such as simulations, virtual/augmented reality, and sustainability-focused tools—into lesson planning. • Develop competency-based assessments tailored to practical skills and inclusive learning environments. • Complete a final assessment demonstrating mastery of instructional strategies.

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Session 1: Foundations of STEM-TVET Education (Required First) • Introduction to STEM and TVET: Definitions, overlaps, and distinctions. • Relevance to workforce demands, the Fourth Industrial Revolution, and Qatar National Vision 2030. • Incorporating 21st Century Skills into teaching. Session 2: Active Learning and Interdisciplinary Teaching • Project-Based Learning (PBL) and Inquiry-Based Learning (IBL). • Fostering critical thinking, collaboration, and real-world problem-solving. • Building interdisciplinary connections between STEM and TVET. Session 3: Technology Integration and Sustainability in STEM-TVET • Leveraging tools: Virtual labs, simulations, augmented reality (AR), and virtual reality (VR). • Competency-based education: Tailoring learning experiences using technology. • Embedding sustainability principles into curricula. Session 4: Assessment, Engagement, and Building Inclusive Classrooms • Developing formative and summative assessments tailored to STEM-TVET. • Competency-based assessments for practical skills and critical thinking. • Promoting inclusion: Supporting diversity and fostering belonging.

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The training sessions will be delivered through four face-to-face, 2-hour courses structured for flexibility and practical application at UDST. Instruction will include: Presentations Hands-on activities Case studies and real-world scenarios Collaborative design sessions After completing all 4 sessions, the participants are

required to complete a knowledge evaluation in the form of a written examination and must obtain a minimum score of 75% to successfully pass the knowledge evaluation. In addition to completing the knowledge assessment, the participants must attend 75% of the classroom sessions

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Educators, Teachers, Trainers, Instructors, and Faculty