

## Environmental Sustainability Programs at Qassim University

### Department of Geography

#### Vision:

Leadership and excellence in geographical studies and research and contribution to building a knowledge society.

#### Mission:

Preparing national cadres aware of geographical, environmental and contemporary issues, and developing research skills and the faculties of criticism and analysis in the field of geographical studies, which enables society to achieve a qualitative shift in the cognitive and social field locally, regionally and globally.

#### Goals:

- Studying the environment with the aim of understanding its problems and ways to address them.
- Expanding the scope of interest in geographical studies to serve the homeland and the nation.
- Contributing to enriching human knowledge through specialized geographical studies and serious scientific research.
- Graduating qualified cadres to teach in public education schools.
- Qualifying cadres capable of enriching geographical knowledge and documenting it according to an authentic scientific approach.

#### For more

Geography Department page on the university website: [https://qu.edu.sa/faculty\\_department/89](https://qu.edu.sa/faculty_department/89)

## Department of Food Science and Human Nutrition

### Vision:

The department seeks to disseminate knowledge and contribute to improving the lifestyle in society through integration between the fields of food science and human nutrition using an advanced educational environment and effective research cooperation.

### Mission:

Developing and transferring knowledge and skills in the field of food sciences and human nutrition by providing accredited and advanced academic programs, applied research and consulting services to contribute to serving the community and meeting its needs.

### Goals:

Developing and transferring knowledge and skills in the field of food sciences and human nutrition by providing accredited and advanced academic programs, applied research and consulting services to contribute to serving the community and meeting its needs.

#### For more

Department of Food Sciences and Human Nutrition Page on the university website:

[https://qu.edu.sa/about\\_faculty/5](https://qu.edu.sa/about_faculty/5)

## Department of Environment and Natural Resources

### Vision:

Promote environmental sustainability and conserve natural resources through investment in environmental education, research and community engagement.

### Mission:

Communicating with the local community to raise awareness and promote sustainable living practices by promoting a culture of environmental responsibility and innovation and contributes to the Kingdom's efforts to create a more sustainable future for all.

### Goals:

The Department of Environment and Natural Resources aims to prepare specialized cadres capable of facing environmental challenges and preserving natural resources for current and future generations. It also aims to raise awareness about environmental issues, conduct valuable research on local ecosystems, and develop sustainable practices to preserve biodiversity. To enhance environmental sustainability and preservation and improve the quality of life.

### For more

of Environment and Natural Resources page on the university website: [https://qu.edu.sa/faculty\\_department/886](https://qu.edu.sa/faculty_department/886)

## Department of Science in Electrical Engineering

### Bachelor of Science in Electrical Engineering

#### Vision:

The electrical engineering department aims to be recognized locally, regionally and internationally as a leading department providing high quality programs and services in electrical engineering fields.

#### Mission:

Graduating distinguished electrical engineers, and performing research and community services in an inspiring, energizing and governable environment to promote self-resources, adopt recent technologies and sustainably develop the Saudi society.

#### Goals:

- Preparation of the graduates to have a successful career as Electrical engineers in governmental and private sectors.
- Preparation of the graduates to pursue their professional development through self-learning and advanced degrees.
- Preparation of the graduates to progress to positions of leadership in their profession.
- Preparation of the graduates to effectively participate in the sustainable development of the Saudi Society.
- Prepare the graduates for a successful career as electrical engineers in governmental and private sectors.
- Carry out scientific applied research and offer consultation services
- Strengthen the communication, cooperation and partnership with the community.
- Participate in adopting advanced technologies and introducing innovations
- Contribute effectively in the sustainable development of the Saudi society

#### For more

of Science in Electrical Engineering page on the university website: <https://qec.qu.edu.sa/content/pages/1807> .

## Master of Science in Electrical Engineering

### Vision:

The electrical engineering department aims to be recognized locally, regionally and internationally as a leading department providing high quality programs and services in electrical engineering fields

### Mission:

MSc Program offering distinguished Electrical Energy Engineering master studies, and performing advanced research and valuable community services in an inspiring, energizing and governable environment to promote self-resources, adopt recent technologies and sustainably develop the Saudi society

### Goals:

- Attain a successful research, development and leadership careers in the industry, energy, and academic sectors.
- Properly plan their professional development through self-learning and advanced degrees.
- Efficiently progress to positions of leadership in their profession.
- Effectively contribute to adopting recent technologies, and experience abilities for performing advanced scientific research and offering innovations.
- Contribute effectively in the sustainable development of the Saudi society.

### For more

All courses and the curriculum of the MSc electrical engineering program are available at: [كلية الهندسة | الخطة الدراسية لبرنامج ماجستير الهندسة الكهربائية](#)

## Department Mechanical Engineering Program (Bachelor)

### Vision:

The mechanical engineering department aims to be recognized locally, regionally and internationally as a leading department providing high-quality programs and social services in the mechanical engineering field.

### Mission:

Graduating distinguished mechanical engineers and performing research and community services in an inspiring, energizing and governable environment to promote self-resources, adopt recent technologies and sustainably develop the Saudi society

### Goals:

1. Preparation of the graduates to have a successful career as mechanical engineers in the governmental and private sectors.
2. Preparation of the graduates to pursue their professional development through self-learning and advanced degrees.
3. Preparation of the graduates to advance towards leadership positions in their profession.
4. Preparation of the graduates to effectively participate in the sustainable development of Saudi Arabia.

## Mechanical Engineering Program (Master)

### Vision:

The mechanical engineering department aims to be recognized locally, regionally and internationally as a leading department providing high-quality programs and social services in the mechanical engineering field

### Mission:

Offering distinguished mechanical engineering master studies and performing advanced research and valuable community services in an inspiring, energizing, and governable environment to promote self-resources, adopt recent technologies, and sustainably develop the Saudi society.

### Goals:

1. Prepare the graduates for a successful career as mechanical engineers in governmental and private sectors.
2. Carry out scientific applied research and offer consultation services
3. Strengthen the communication, cooperation, and partnership with the community.
4. Participate in adopting advanced technologies and introducing innovations.
5. Contribute effectively in the sustainable development of the Saudi society.

### For more

Department Mechanical Engineering page on the university website: [https://qu.edu.sa/faculty\\_department/47](https://qu.edu.sa/faculty_department/47)

## Department of Civil Engineering

### Vision:

The civil engineering department aims to be recognized locally, regionally and internationally as a leading department providing high quality programs and society services in the civil engineering fields

### Mission:

Graduating distinguished civil engineers and performing research and community services in an inspiring, energizing and governable environment to promote self-resources, adopt recent technologies and sustainably develop the Saudi society.

### Goals:

1. Preparation of the graduates to have a successful career as civil engineers in the governmental and private sectors.
2. Preparation of the graduates to pursue their professional development through self-learning and advanced degrees.
3. Preparation of the graduates to advance towards leadership positions in their profession.
4. Preparation of the graduates to effectively participate in the sustainable development of Saudi Arabia.

## Master of Science in Civil Engineering Program

### Mission:

Offering distinguished civil engineering master studies and performing advanced research and valuable community services in an inspiring, energizing, and governable environment to promote self-resources, adopt recent technologies and sustainably develop the Saudi society.



## Goals:

- 1.Prepare the graduates to have successful research, development and leadership careers in the industry, energy, and academic sectors.
- 2.Carry out advanced scientific research and provide engineering consultation services.
- 3.Strengthen the communication and cooperation with the community and establish regional and international partnerships.
- 4.Participate in adopting advanced technologies and offering innovations.
- 5.Contribute effectively to the sustainable development of the Saudi society.

## For more

Department of Civil Engineering on the university website : [https://qu.edu.sa/faculty\\_department/46](https://qu.edu.sa/faculty_department/46)

## Renewable Energy Engineering Program (Master)

### Mission:

Offering distinguished Renewable Energy Engineering master studies and performing advanced research and valuable community services in an inspiring, energizing and governable environment to promote self-resources, adopt recent technologies and sustainably develop the Saudi society.

### Goals:

1. Prepare the graduates for a successful career as renewable energy engineers in governmental and private sectors.
2. Carry out scientific applied research and offer consultation services.
3. Strengthen the communication, cooperation, and partnership with the community.
4. Participate in adopting advanced technologies and introducing innovations.

Contribute effectively to the sustainable development of the Saudi society

### For more

Renewable Energy Engineering Program (Master) page on the university website: <https://qec.qu.edu.sa/content/news/2007>

## The most important educational courses related to environmental sustainability at Qassim University

Course code	Course name	Credit hours
GEO 716	Remote sensing applications in physical geography	3 hours
GEOG 634	Water resources in arid environments	3 hours
GEOG 636	Environmental problems	3 hours
GEOG 642	Sustainable development	3 hours
GEO 112	Climate Geography	3 hours
GEOG 622	Applied climate	3 hours
GEOG 623	Vital ecosystems	3 hours
GEO 532	Desert rural development	3 hours
GEO 537	Water resources in dry regions	3 hours
GEO 704	Environmental assessment	3 hours
CE 670	Chemistry in Environmental Engineering	3 hours
CE 671	Microbiology in Environmental Engineering	3 hours
CE 672	Physical-Chemical Treatment Processes	3 hours
CE 673	Biological Treatment Processes	3 hours
CE 674	Unit Operations and Processes Laboratory	3 hours
CE 675	Planning and Design of Water and Sewerage Networks	3 hours
CE 676	Solid Waste Management	3 hours
CE 677	Environmental Air Pollution	3 hours
CE 678	Industrial Wastewater Treatment	3 hours
CE 692	Special Topics in Environmental Engineering	3 hours
CE 630	GIS and Natural Resources Management	3 hours
CE 631	Hydrometry	3 hours
CE 632	Drainage Engineering	3 hours
CE 633	Irrigation Engineering	3 hours
CE 634	Groundwater Hydrology	3 hours
CE 635	Probability and Statistics in Hydrology	3 hours

CE 636	Water Resources Planning	3 hours
CE 637	Applied Groundwater Flow Modeling	3 hours
CE 638	Design of Hydraulic Structures	3 hours
CE 639	Physical Hydrology	3 hours
CE 693	Special Topics in Water Resources & Hydraulics	3 hours
CE600	Concrete Technology	3 hours
CE 320	Construction Engineering	3 hours
CE 330	Hydrology	3 hours
CE 370	Water and Wastewater Engineering	3 hours
CE 459	Groundwater Hydrology	3 hours
CE 474	Design and Operation of Water and Wastewater Treatment Plants	3 hours
CE 475	Environmental Engineering	3 hours

**.Two hundred and ten training hours were provided to faculty members, focusing on developing educational process tools**



جامعة القصيم  
Qassim University

The number of beneficiaries of the training programmers related to sustainability from among the university's male and female employees reached four hundred and fifty-eight beneficiaries, both male and female.

### Some Sustainability Related Training Courses

Course name	Number of days	Number of hours	Course start date
first aid (1)	One day	Four hours	28/5/2024
first aid (2)	One day	Four hours	28/5/2024
Motivational workshop for employees	One day	Three hours	7/10/2024
Governance	Five days	twenty-five hours	10/11/2024
Professional skills for managing and building work teams	One day	Four hours	21/5/2024
Safety in laboratories	One day	five hours	21/5/2024
Technical Reporting Skills for Engineers and Technicians	One day	five hours	28/5/2024
Artificial Intelligence in Higher Education	One day	Three hours	16/9/2024



## Samples of training courses offered



## Samples of training courses offered

**مركز تنمية القيادات والقدرات**  
 Center of Leadership and Talent Development



يشهد مركز تنمية القيادات والقدرات بجامعة القصيم  
 بأن المتدرب/ة محمد عيسى بن عبد الله بن  
 سجل مدني رقم 12

قد أتم/ت الدورة التدريبية بعنوان - المهارات الاحترافية لإدارة وبناء فرق العمل  
 وذلك في 21 مايو 2024  
 و التي أقيمت بمركز تنمية القيادات و القدرات - عن بعد- بواقع 4 ساعات  
 والله الموفق

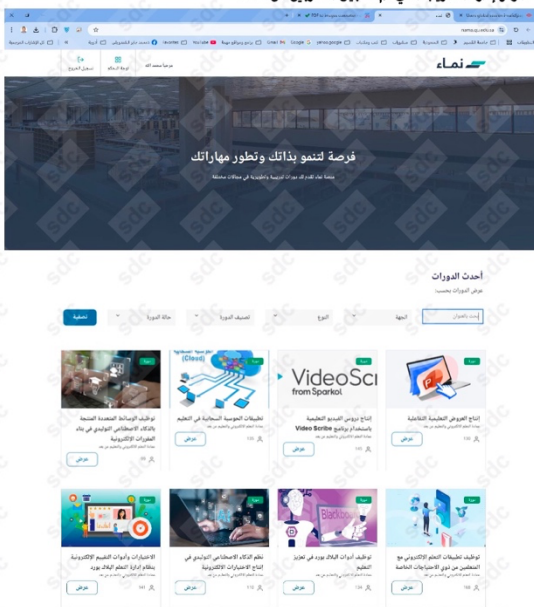
**المشرف على مركز تنمية القيادات والقدرات**  
**د.فهد ناصر السليم**  








**٢- موقع إدارة التدريب الذي تم تسجيل المتدربين من خلاله:**



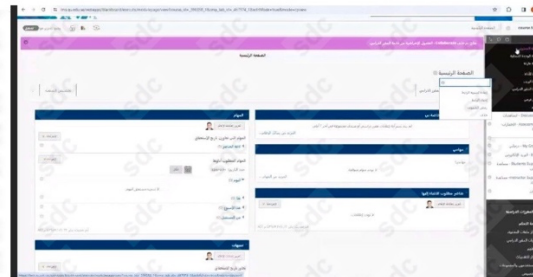
The screenshot shows a web application for training management. At the top, there's a header with the university's name and logo. Below it, a banner with the text "فرصة لتنمو بذاتك وتطور مهاراتك" (Opportunity to grow yourself and develop your skills). The main content area displays a grid of course cards, each with a title, a brief description, and a "عرض" (View) button. The courses listed include:

- تطوير المهارات الشخصية (Developing Personal Skills)
- المهارات الاحترافية لإدارة وبناء فرق العمل (Professional Skills for Managing and Building Teams)
- المهارات الاحترافية لإدارة وبناء فرق العمل (Professional Skills for Managing and Building Teams)
- المهارات الاحترافية لإدارة وبناء فرق العمل (Professional Skills for Managing and Building Teams)
- المهارات الاحترافية لإدارة وبناء فرق العمل (Professional Skills for Managing and Building Teams)
- المهارات الاحترافية لإدارة وبناء فرق العمل (Professional Skills for Managing and Building Teams)



## Samples of training courses offered

رابعاً: شواهد من الدورات التدريبية التي تم تقديمها خلال العام ٢٠٢٤م:  
١- دورة: التدريس التفاعلي عبر نظام إدارة التعلم البلاك بورد: المنعقدة في ٢٢ يناير ٢٠٢٤م



رابط تسجيل الدورة:

<https://eu-lti.bbcollab.com/recording/2644b225496745c2bb90e63f6f2acc0c>



عدد المشاركين من أعضاء هيئة التدريس	تاريخ انعقادها	عنوان الدورة
٢٨	٢٠٢٤/٠٥/٠٦	٢٧ تحرير الملفات والوسائط التعليمية وتوظيفها في بيئة التعلم الإلكتروني.
٢٨	٢٠٢٤/٠٥/٠٧	٢٨ تصميم الدروس التفاعلية باستخدام تطبيق Nearpod.
٢٨	٢٠٢٤/٠٥/٠٨	٢٩ إنتاج دروس الفيديو التعليمية باستخدام Camtasia Studio.
٢٨	٢٠٢٤/٠٥/٠٩	٣٠ تقارير المقررات الدراسية بنظام إدارة التعلم (Blackboard).
٢٨	٢٠٢٤/٠٥/١٠	٣١ التدريس التفاعلي عبر نظام إدارة التعلم البلاك بورد.
٢٨	٢٠٢٤/٠٥/١١	٣٢ إدارة الفصول الافتراضية Blackboard Collaborate Ultra.
٢٨	٢٠٢٤/٠٥/١٢	٣٣ إنشاء وإدارة الجلسات الافتراضية باستخدام نظام Zoom.
٢٨	٢٠٢٤/٠٥/١٣	٣٤ إنتاج دروس الفيديو التعليمية باستخدام برنامج Video Scribe.
٢٨	٢٠٢٤/٠٥/١٤	٣٥ الدروس التفاعلية بنظام (Articulate Storyline).
٢٨	٢٠٢٤/٠٥/١٥	٣٦ تصميم التطبيقات التعليمية وتوظيفها على الهواتف الذكية (المستوى الأول).
٢٨	٢٠٢٤/٠٥/١٦	٣٧ الكفاءات الأساسية في التعليم الجامعي.
٢٨	٢٠٢٤/٠٥/١٧	٣٨ توظيف الرسوم المتحركة التعليمية ذكية لإبراز استخدام 3D Studio Max بالمقررات الإلكترونية.
٢٨	٢٠٢٤/٠٥/١٨	٣٩ تحرير الملفات والوسائط التعليمية وتوظيفها في بيئة التعلم الإلكتروني.
٢٨	٢٠٢٤/٠٥/١٩	٤٠ إنتاج الدروس والإشعارات الإلكترونية بالكلام الاصطناعي.
٢٨	٢٠٢٤/٠٥/٢٠	٤١ إنتاج دروس الفيديو التعليمية باستخدام Camtasia Studio.
٢٨	٢٠٢٤/٠٥/٢١	٤٢ تصميم المقررات الإلكترونية التفاعلية وتوظيفها على البلاك بورد.
٢٨	٢٠٢٤/٠٥/٢٢	٤٣ أدوات التقارير الإلكترونية بنظام إدارة التعلم البلاك بورد.
٢٨	٢٠٢٤/٠٥/٢٣	٤٤ إعداد الإشعارات وتصميمها باستخدام تطبيق (zipgrade) على الأجهزة الذكية.
٢٨	٢٠٢٤/٠٥/٢٤	٤٥ إنتاج العروض التعليمية التفاعلية.
٢٨	٢٠٢٤/٠٥/٢٥	٤٦ تصميم التطبيقات التعليمية وتوظيفها على الهواتف الذكية (المستوى الثاني).
٢٨	٢٠٢٤/٠٥/٢٦	٤٧ نظريات الواقع المعزز بالمقررات الإلكترونية.
٢٨	٢٠٢٤/٠٥/٢٧	٤٨ تقارير المقررات الدراسية بنظام إدارة التعلم (Blackboard).
٢٨	٢٠٢٤/٠٥/٢٨	٤٩ التقييمات والإشعارات ونموذج الأسئلة.
٢٨	٢٠٢٤/٠٥/٢٩	٥٠ توظيف الوسائط المتعددة في تطوير المحتوى التعليمي الرقمي.
٢٨	٢٠٢٤/٠٥/٣٠	٥١ إدارة المقررات الدراسية على نظام البلاك بورد.
٢٨	٢٠٢٤/٠٥/٣١	٥٢ التحضير في التقييم الإلكتروني.
٢٨	٢٠٢٤/٠٥/٣٢	٥٣ تطبيقات الواقع المعزز الثابت والمتحرك في التعلم الإلكتروني.
٢٨	٢٠٢٤/٠٥/٣٣	٥٤ تصميم المحتوى الإلكتروني التفاعلي باستخدام (Inspiring Suite).
٢٨	٢٠٢٤/٠٥/٣٤	٥٥ توظيف أدوات وتطبيقات التعلم الإلكتروني مع المعلمين من ذوي الاحتياجات الخاصة.
٢٨	٢٠٢٤/٠٥/٣٥	المجموع

## Samples of training courses offered

بيانات بالدورات التدريبية المقدمة لأعضاء هيئة التدريس من خلال مادة التعلم الإلكتروني وتقنية المعلومات  
بالعام ٢٠٢٤م بناء على المعاملة رقم 47333 وتاريخ ١٩/٠٨/١٤٤٦ هـ  
أولاً - الإحصائية الإجمالية لبيانات الدورات التدريبية خلال العام ٢٠٢٤م:

عدد المستفيدين من التدريب من أعضاء هيئة التدريس			عدد الدورات التدريبية في التعلم الإلكتروني
رجال	نساء	مجموع	٥٥ دورة تدريبية
٢٢٧٤	٢٤٩٦	٤٧٧٠	

ثانياً: الإحصائية التفصيلية لبيانات الدورات التدريبية خلال العام ٢٠٢٤م:

م	عنوان الدورة	تاريخ انعقادها	عدد المشاركين من أعضاء هيئة التدريس		
			رجال	نساء	المجموع
١	التدريس التفاعلي عبر نظام إدارة التعلم بلاك بورد.	٢٠٢٤/٠١/٢٢	٤٢	٤٨	٩٠
٢	إدارة القصول الافتراضية Blackboard Collaborate Ultra.	٢٠٢٤/٠١/٢٤	٣٨	٤٥	٨٣
٣	خدمات الدعم الفني لمشرفي التعلم الإلكتروني.	٢٠٢٤/٠١/٢٩	١٧	١٦	٣٣
٤	إنشاء وإدارة الجلسات الافتراضية باستخدام نظام Zoom.	٢٠٢٤/٠١/٣٠	٣٤	٤٣	٧٧
٥	تصميم المقررات الإلكترونية التفاعلية وإنتاجها على بلاك بورد.	٢٠٢٤/٠١/٣١	٣١	٤١	٧٢
٦	Using the Blackboard LMS in Education.	٢٠٢٤/٠٢/٠٤	٢٠	٩	٢٩
٧	Design and Production of e-Courses using Blackboard LMS.	٢٠٢٤/٠٢/١١	٢٤	١٣	٣٧
٨	إنتاج دروس الفيديو التعليمية باستخدام برنامج Video Scribe.	٢٠٢٤/٠٢/١٢	٣٦	٤١	٧٧
٩	توظيف الوسائط المتعددة في تطوير المحتوى التعليمي الرقمي.	٢٠٢٤/٠٢/١٣	٣٥	٣٩	٧٤
١٠	التعريب في التعليم الإلكتروني.	٢٠٢٤/٠٢/٢٠	٥٠	٧٥	١٣٥
١١	النكاه الاصطناعي في البحث العلمي.	٢٠٢٤/٠٢/٢١	١٦٣	١٧٧	٣٤٠
١٢	توظيف إنترنت الأشياء في التعليم.	٢٠٢٤/٠٣/٠٤	٥٧	٦١	١١٨
١٣	تصميم التطبيقات التعليمية وإنتاجها على الهواتف الذكية (المستوى الأول).	٢٠٢٤/٠٣/٠٥	٤٧	٦٠	١٠٧
١٤	إنتاج الدروس والاختبارات الإلكترونية بالنكاه الاصطناعي	٢٠٢٤/٠٣/٠٦	١١٧	١٤٦	٢٦٣
١٥	توظيف الرسوم المتحركة التعليمية ثلاثية الأبعاد باستخدام 3D Studio Max بالمقررات الإلكترونية.	٢٠٢٤/٠٣/١١	٣٧	٣٥	٧٢
١٦	تصميم وإنتاج العروض التعليمية التفاعلية.	٢٠٢٤/٠٣/١٣	٣٢	٤٣	٧٥
١٧	إنتاج الصور الرقمية التعليمية (ثابتة/متحركة) باستخدام تطبيقات الأجهزة الذكية.	٢٠٢٤/٠٣/١٨	٣٦	٤٩	٨٥
١٨	الدروس التفاعلية بنظام (سكورم) باستخدام برنامج (Articulate Storyline).	٢٠٢٤/٠٣/١٩	٢٦	٣٢	٥٨
١٩	التقييمات والاختبارات وبنوك الأسئلة.	٢٠٢٤/٠٣/٢٥	٤٧	٤٤	٩١
٢٠	أدوات التقييم الإلكترونية بنظام إدارة التعلم بلاك بورد.	٢٠٢٤/٠٣/٢٦	٥٠	٥٩	١٠٩
٢١	تصميم التطبيقات التعليمية وإنتاجها على الهواتف الذكية (المستوى الثاني).	٢٠٢٤/٠٤/١٦	٣٥	٣٨	٦٣
٢٢	التصميم البصري للمحتوى التعليمي باستخدام أدوات النكاه الاصطناعي التوليدي.	٢٠٢٤/٠٤/١٧	٦٩	٩١	١٦٠
٢٣	تطبيقات الحوسبة السحابية في التعليم.	٢٠٢٤/٠٤/٢٢	٣١	٥١	٨٢
٢٤	تطبيقات الانفوجرافيك الثابت والمتحرك في التعلم الإلكتروني.	٢٠٢٤/٠٤/٢٣	٢٩	٤٩	٧٨
٢٥	Assessment, Exams and Question Banks.	٢٠٢٤/٠٤/٢٨	٣٠	٢٥	٥٥
٢٦	تصميم المحتوى الإلكتروني التفاعلي باستخدام (Ispring suite).	٢٠٢٤/٠٤/٢٩	٢٤	٣٠	٥٤

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## Links to training courses

<https://eu-lti.bbcollab.com/recording/329557beb4914f88a0004f889627546d>

<https://eu-lti.bbcollab.com/recording/2644b225496745c2bb90e63f6f2acc0c>

<https://eu-lti.bbcollab.com/recording/4332aeee063643569462472b3b59e4eb>

<https://eu-lti.bbcollab.com/recording/49ac603ee98b4f5cbb324cc3792f52b2>

<https://eu-lti.bbcollab.com/recording/478cd149b12645f98ed5a1249cd2909c>

<https://eu-lti.bbcollab.com/recording/478cd149b12645f98ed5a1249cd2909c>

<https://eu-lti.bbcollab.com/recording/12ec1c0642654521a1eb0615e9e02506>

**The University's Center for Sustainable Development has also been accredited as one of the entities accredited by the National Center for Environmental Compliance Control.**

**Service link : [https://qu.edu.sa/centers/4/environmental\\_training](https://qu.edu.sa/centers/4/environmental_training)**