TIMES HIGHER EDUCATION / IMPACT RANKINGS EVIDENCE FACT FILE

SDG 17 / INDICATOR 17.4.2
Sustainability and SDG Courses

Cyprus International University • North Cyprus – Türkiye • www.ciu.edu.tr



SDG 17	17.4.2	10 of 18
Partnerships for the Goals	Dedicated degrees and courses on sustainability and the SDGs	Courses in the supplied list found on the website under the same title, two after a code correction

Purpose of this evidence file

This fact file answers THE Impact Rankings SDG 17 measure 17.4.2: “Does your university as a body have dedicated courses (full degrees, or electives) that address sustainability and the SDGs?” It checks each course in CIU’s supplied list against the programme pages on ciu.edu.tr, lists the degrees whose core is energy or the environment, adds courses found in the programmes that the list does not mention, and states where codes, titles or the word “SDG” do not match. Every drafted item is marked as a proposal.

INDICATOR 17.4.2

Sustainability and SDG courses at a glance

The question and the answer

Question. Does your university as a body have dedicated courses (full degrees, or electives) that address sustainability and the SDGs?

Answer: yes for courses and degrees on sustainability themes; no for the SDGs by name. Ten of the 18 courses in the supplied list are on the programme pages under the same title, and the supplied Energy Systems Engineering degree is confirmed. The website adds a dozen more courses on energy, water, waste, climate and sustainable design. Five listed courses and two duplicates could not be matched. The word “SDG” does not appear on any programme page we read.

Headline result

Real courses, spread across more than ten programmes. Courses with “sustainable” in the title sit in architecture, business, civil and environmental engineering, economics, marketing, tourism, education and design.

The degrees are energy and environment, not “sustainability”. Energy Systems Engineering is real and compulsory content is on environmental impact, climate and efficiency, but its page does not mention the SDGs.

Next step. Page 8 drafts a course-to-SDG map and a catalogue rule, so each course states the SDGs it serves.

Evidence scope

No.	Evidence item	Where
1	The 18 listed courses checked against ciu.edu.tr	Page 3
2	Degrees on energy and the environment	Page 4
3	Further courses found in the programmes, and student projects	Page 5
4	Course themes by SDG (our reading)	Page 6
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8	Evidence: supplied pages with course descriptions	Pages 10–11

THE SUPPLIED COURSE LIST

The 18 listed courses

Code (supplied)	Title (supplied)
ARCH529	Space, Form and Sustainable Technology
BUSN445	Developing Environmentally Sustainable Business
CLE324	Sustainable Water Resources Engineering
ECON406	Energy and Environmental Economics
ECON520	Sustainable Development
MRKN515	Sustainable Marketing
SCAP	Sustainable Capstone Project
THRM506	Development of Sustainable Tourism Policies and Planning
INPD309	Design for Sustainability
ENRE517	Ecological Sustainability in Design and Manufacturing
BUSN437	Developing Environmentally Sustainable Business
TUIS508	Sustainable Tourism Policies Development and Planning
EGIT359	Sustainable Development and Education
PNGE518	Sustainable Energy Policies for Islands
CVLE558	Sustainable Concrete Production
CVLE637	Sustainable Built Environment
ENVE315	Introduction to Climate Change and Sustainability
ENVE314	Environment and Sustainable Development

FULL DEGREES

Degrees centred on energy and the environment

Degree	Level	What the page says
Energy Systems Engineering	BSc, 4 years	Energy production, efficiency, renewables (solar, wind, bioenergy, geothermal, hydro), storage, energy law. Compulsory courses include Energy Efficiency and Management, Energy Systems-II (energy, environment, climate change) and ENRE402 (environmental impact).
Environmental Engineering	BSc, 4 years	Water and wastewater, solid waste, air pollution, environmental management and planning; compulsory ecology and design courses.
Energy Systems Engineering	MSc, 2 years	Renewables integration, renewable energy policies, zero-emission 100% renewable cities, exergy analysis.
Environmental Engineering	MSc	Environmental chemistry, ecology, biotechnology; seminar.
Environmental Sciences	MSc, 2 years	Special topics, ecology, environmental biotechnology; elective CVLE637 Sustainable Built Environment.
Environmental Sciences	PhD	Research degree on regional and global environmental problems.
Environmental Engineering	PhD	Pollution sources, effects and treatment.

WEBSITE SURVEY

Further courses found in the programmes

Code	Course	Programme	Type	Theme
ENRE306	Energy Systems-II (5 ECTS)	Energy Systems Eng. BSc	Compulsory	Energy and environment, climate change
ENRE313	Energy Efficiency and Management (5)	Energy Systems Eng. BSc	Compulsory	Conservation, efficiency
ENRE404	Energy Laws and Policies (7)	Energy Systems Eng. BSc	Elective	Climate change, renewable support
ENRE412	Energy Efficient Building Design (5)	Energy; Civil Eng. BSc	Elective	Building energy
ENRE524, 537	Renewable Energy Policies; Zero Emission 100% Renewable Cities	Energy Systems Eng. MSc	Page lists	Renewables, cities
ENVE206, 330	Ecology (4); Solid Waste Engineering (6)	Environmental Eng. BSc	Compulsory	Ecosystems, waste
ENVE402, 407	Environmental Impact Assessment; Environmental Management (5)	Environmental, Civil Eng. BSc	Elective	Impact, sustainable development
ENGI401, 402	Project Management (5); Capstone Project (8)	Energy, Civil, Industrial, Petroleum BSc	Compulsory	Sustainability and environmental impact in projects
ARCH310	Passive Solar Control (5)	Architecture BSc	Elective	Passive design
ARCH613	Effects of Climate and Energy on Settlements Design	Architecture MArch	Elective	Climate, settlements
OOEG352, 415	Environmental Education in Early Childhood (5); Environmental Regulation and Education	Special Education Teaching BSc	Elective	Environmental education
BUSN437	Managing Social Responsibility Projects (6)	Business Administration BSc	Elective	Social responsibility
EASC220	Ethics and Social Responsibility (6)	Business Administration BSc	Compulsory	Ethics, responsibility

Student projects and co-curricular routes

Route	What CIU reports	Reading
Sustainable Capstone Projects (SCAP)	Founded April 2023 by two staff of the Faculty of Engineering; reuses old electronic equipment and scrap, with a focus on renewable energy; project pages for four semesters.	A project route, with no course code, credit or SDG wording on its page.
Energy and Sustainability	Work and Life Skills project with the Levent Group of Companies for Energy Engineering and Petroleum students; solar farm and biogas plant.	Industry experience; not credit-bearing as shown.

COURSE THEMES BY SDG

What the courses cover, by SDG

SDG	Courses that address it	Programmes
SDG 7 Energy	ENRE311 Solar, ENRE312 Wind, ENRE313 Efficiency, ENRE315 Auditing, ENRE402 Environment of Energy Systems, ENRE404, ENRE412, ENRE524, ENRE537, PNGE452	Energy Systems (BSc, MSc); Petroleum; Environmental; Industrial
SDG 17 Climate	ENRE306 Energy Systems-II, ENRE404, PNGE452 alternative fuels, ARCH613, ENVE315 (not confirmed)	Energy; Architecture MArch
SDG 6 Water	CVLE324 Sustainable Water Resources, ENVE311 Water Supply, ENVE322 Wastewater	Civil; Environmental
SDG 11 Cities	CVLE637 Sustainable Built Environment, CVLE558 Sustainable Concrete, ARCH529, ARCH310, ENRE537	Civil MSc; Architecture; Environmental Sciences
SDG 12 Consumption	MRKN515 Sustainable Marketing, BUSN445, INPD309, ENVE330 Solid Waste, ENVE431 Hazardous Waste	Marketing; Business; Architecture; Environmental
SDG 8, 9 Work, industry	TRHM506 Sustainable Tourism Policies, EASC220, BUSN437	Tourism; Business
SDG 4 Education	EGIT359 Sustainable Development and Education, OOEG352, OOEG415	Special Education Teaching
SDG 14, 15 Ecosystems	ENVE206 Ecology, ENVS502 Ecology, ENVE430 Geology and Natural Hazards	Environmental

DATED RECORD

What the record shows, with dates

From the supplied PDF and ciu.edu.tr. Course pages carry no dates, so only the events below can be dated. “Reading” is a plain note.

Ref.	Date	Item	Reading	Source
R1	2024	CIU list of sustainability-related courses, 18 entries, with four course descriptions (file name “specific courses 2024”).	Supplied evidence	**Appendix**
R2	Apr 2023	Sustainable Capstone Projects (SCAP) programme founded.	Student project route	**CIU page**
R3	Spring 2022–23 to Fall 2024–25	Project pages published for four semesters of SCAP.	Output over time	**CIU page**
R4	Undated	Energy Systems Engineering degree page lists compulsory and elective courses.	Catalogue as read	**CIU page**
R5	Undated	Environmental Engineering degree page says it aims to help students achieve sustainable development objectives.	Wording without SDGs	**CIU page**
R6	Undated	Energy and Sustainability project with the Levent Group for Energy and Petroleum students.	Industry link	**CIU page**

APPENDIX A • SUPPLIED DOCUMENT

Supplied degree page and course descriptions

Page 1 of the supplied document (Energy Systems Engineering degree and the course sentence) and page 2 (ENRE402 Environmental of Energy Systems, ENRE312 Wind, ENRE311 Solar).

Evidence for THE Impact Rankings Questionnaire

University : Cyprus International University
Country : North Cyprus- Turkiye Web
Address : www.ciu.edu.tr

[17]

[17.4.2]

CIU offers sustainability related full degrees where one of the most notable one is Energy systems engineering.



https://www.ciu.edu.tr/en/programs/undergraduate/energy-systems-engineering

CIU Also offers Sustainability related courses such as ENRE402 (Environmental of energy systems) whic provides knowledge on environmental impacts and environmental impact assessment. Some of the other example courses are Wind energy technology (ENRE312), Solar energy technology (ENRE311), Conventional and alternative energy resources (PNGE412), and Energy auditing (ENRE315).

Supplied page 1: degree page and course sentence

ENVIRONMENTAL OF ENERGY SYSTEMS

Course code	Credit	Theoretical	Practical	Ects
ENRE402	3	3	0	6

The objective of this course is to provide knowledge on environmental impacts and environmental impact assessment. The course content includes history and basics of environmental impact assessment; framework and legal considerations for impact assessment; predictions of impacts on air, soil and water quality, noise level, and the biological environment; methods of impact analysis; public participation in the environmental impact assessment process; environmental impact assessment reports. Examples of previously used environmental impact assessment reports of various engineering projects are studied as cases studies in the lectures. The course uses lecture notes and discussions for the theoretical information and a term project practicing on how to conduct an environmental impact assessment on an imaginary project learning to use the theory in practice.

WIND ENERGY TECHNOLOGY

Course code	Credit	Theoretical	Practical	Ects
ENRE312	3	3	0	

The main objective of the course is to present an overview of wind energy, covering all aspects from operation of a wind turbine to planning a wind farm. The course introduces the facts governing the availability and exploitation of wind power, the reasons for wind energy utilization, and, instructs the students to conduct a wind resource estimation. The fundamental concepts of wind turbine design and operation, types of wind turbines, the economic, technical and environmental factors affecting wind turbines and respective type selection are covered. Planning, installation, commissioning and economic analysis of wind farms are also discussed within the scope of this course.

SOLAR ENERGY TECHNOLOGY

Course code	Credit	Theoretical	Practical	Ects
ENRE311	3	3	0	

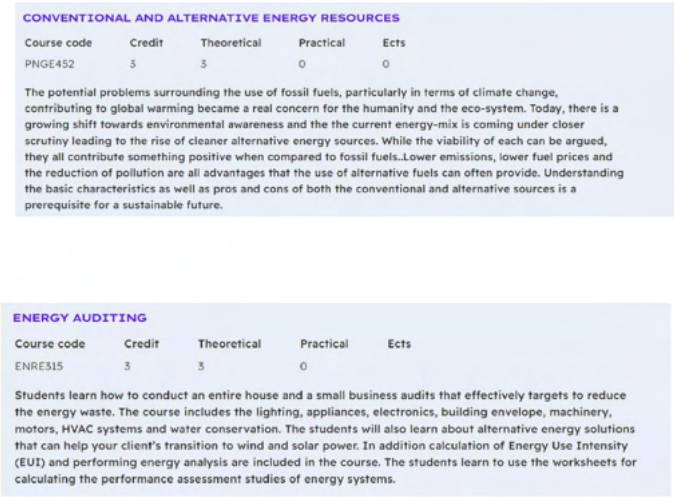
The aim of this course is to introduce students the fundamental technology associated with photovoltaic systems including semi-conductor physics, cells and modules. Environmental characteristics such as solar angles, sun path diagrams, solar radiation, thermal radiation and the radiation on tilted surfaces are examined. PV cell types including crystalline solar cells, c-Si, thin film and multi-junction solar cells are discussed. PV system component are introduced. Planning and sizing grid-connected and stand-alone PV systems are also involved in the course. The course aims to teach the students how to design a PV system using simulation software. Students also learns about solar thermal systems, their types and technologies, efficiency and costs.

Supplied page 2: ENRE402, ENRE312, ENRE311

APPENDIX B • SUPPLIED DOCUMENT

Course descriptions and the 18-course list

Page 3 (PNGE452 Conventional and Alternative Energy Resources, ENRE315 Energy Auditing) and page 4 (the list of 18 sustainability-related courses).



CONVENTIONAL AND ALTERNATIVE ENERGY RESOURCES

Course code	Credit	Theoretical	Practical	Ects
PNGE452	3	3	0	0

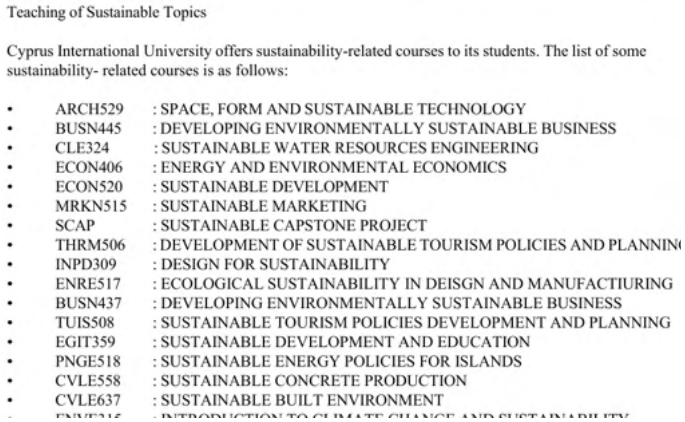
The potential problems surrounding the use of fossil fuels, particularly in terms of climate change, contributing to global warming became a real concern for the humanity and the eco-system. Today, there is a growing shift towards environmental awareness and the the current energy-mix is coming under closer scrutiny leading to the rise of cleaner alternative energy sources. While the viability of each can be argued, they all contribute something positive when compared to fossil fuels..Lower emissions, lower fuel prices and the reduction of pollution are all advantages that the use of alternative fuels can often provide. Understanding the basic characteristics as well as pros and cons of both the conventional and alternative sources is a prerequisite for a sustainable future.

ENERGY AUDITING

Course code	Credit	Theoretical	Practical	Ects
ENRE315	3	3	0	

Students learn how to conduct an entire house and a small business audits that effectively targets to reduce the energy waste. The course includes the lighting, appliances, electronics, building envelope, machinery, motors, HVAC systems and water conservation. The students will also learn about alternative energy solutions that can help your client's transition to wind and solar power. In addition calculation of Energy Use Intensity (EUI) and performing energy analysis are included in the course. The students learn to use the worksheets for calculating the performance assessment studies of energy systems.

Supplied page 3: PNGE452 and ENRE315



Teaching of Sustainable Topics

Cyprus International University offers sustainability-related courses to its students. The list of some sustainability- related courses is as follows:

- ARCH529 : SPACE, FORM AND SUSTAINABLE TECHNOLOGY
- BUSN445 : DEVELOPING ENVIRONMENTALLY SUSTAINABLE BUSINESS
- CLE324 : SUSTAINABLE WATER RESOURCES ENGINEERING
- ECON406 : ENERGY AND ENVIRONMENTAL ECONOMICS
- ECON520 : SUSTAINABLE DEVELOPMENT
- MRKN515 : SUSTAINABLE MARKETING
- SCAP : SUSTAINABLE CAPSTONE PROJECT
- THRM506 : DEVELOPMENT OF SUSTAINABLE TOURISM POLICIES AND PLANNIN
- INPD309 : DESIGN FOR SUSTAINABILITY
- ENRE517 : ECOLOGICAL SUSTAINABILITY IN DEISGN AND MANUFACTIURING
- BUSN437 : DEVELOPING ENVIRONMENTALLY SUSTAINABLE BUSINESS
- TUIS508 : SUSTAINABLE TOURISM POLICIES DEVELOPMENT AND PLANNING
- EGIT359 : SUSTAINABLE DEVELOPMENT AND EDUCATION
- PNGE518 : SUSTAINABLE ENERGY POLICIES FOR ISLANDS
- CVLE558 : SUSTAINABLE CONCRETE PRODUCTION
- CVLE637 : SUSTAINABLE BUILT ENVIRONMENT

Supplied page 4: list of 18 courses