Course Detail

Master of Science Program in Community Energy and Environment

1. Course Title:	Master of Science Program in Community Energy and Environment
2. Master Degree:	Master of Science (Community Energy and Environment)
3. Academic Institution:	Asian Development Collage for Community Economy and Technology (adiCET)
4. Duration:	June 2025 – May 2027

5. Background and Rational:

In the modern digital society, capacity building aims to produce individuals who are self-reliant and adaptable to the Next Normal. Considering the Sustainable Development Goals (SDGs) and driving Thailand through the Bio-Circular-Green Economy (BCG) model or BCG Economy, the key strategies are the decrease of energy consumption, the use of renewable energy, and the creation of a greener society. Furthermore, in order to keep up with the existing and future energy and environmental situations, it is essential to offer education and training to create individuals capable of developing innovation and effective energy and environmental management. Finally, to be compatible with the digital society, the intelligent tracking, and processing system must also be utilized.

6. Objectives:

To produce graduates with knowledge, capability, and quality as standard criteria. The desired characteristics of graduates are as follows:

(1) Be able to apply knowledge and research skills for implementing academic works and research in the area of energy and environment with moral and professional ethics.

(2) Be able to integrate knowledges with critical thinking skill and synthetic thinking for searching solution and/or to develop works in the area of energy and environment in accordance with the needs of community in order to improve the quality of life for people in community, society, and nation under new normal life and digital society as appropriate.

(3) Be able to communicate and present academic works in Thai with fluent academic and accuracy, have English communication skills, and use and digital technology

for communication, working, and searching knowledge as a tool to create good relationship with the community in national, regional, and international levels.

7. Course Synopsis and Methodology:

Program Details:

1. There are 36 credits total in the curriculum.
2. Student eligibility: Thai and Non-Thai nationals
3. Language for teaching: English and Thai
4. Language for thesis (for international students): English
5. Curriculum structure**:** The curriculum structure is divided into course groups in accordance with the curriculum standards of the Ministry of Education.

No	Courses	Programs	
		Plan A Type A1	**Plan A Type A2**
		Credits	**Credits**
1	Thesis	36	12
2	Coursework no less than	-	24
	1.1) Basic Course		6
	1.2) Specialization Course no less than		18
	1.2.1) Required Course		6
	1.2.2) Elective Course no less than		12
3	Additional course	-	-
Total Credits		36	36

7.1 Study plan

1) Study Plan A type A1

1.1 Thesis **36 Credits**

CEN 5903	Thesis A 1	36(1620)

1.2 Additional courses without credits

CEN 5905	Seminar 1	1(0-3-1)
CEN 5906	Seminar 2	1(0-3-1)
CEN 5907	Seminar 3	1(0-3-1)

COM 5101	Computer for Graduate Studies	3(3-0-6)
ENG 5101	English for Graduate Studies	3(3-0-6)

2) Study Plan A type A2

2.1 Basic Course 6 Credit

CEN 5101	Research Methodology in Science and Social Science	3(3-0-6)
CEN 5103	Energy and Environment for Community	3(3-0-6)

2.2 Specialization Course no less than 18 credits

2.2.1 Required Course 6 credits

CEN 5410	Smart and Green Community	3(3-0-6)
CEN 5905	Seminar 1	1(0-3-1)
CEN 5906	Seminar 2	1(0-3-1)
CEN 5907	Seminar 3	1(0-3-1)

2.2.2 Elective Course no less than 12 credits

CEN 5202	Solar Energy	3(3-0-6)
CEN 5204	Wind Energy	3(3-0-6)
CEN 5205	Hydrogen Energy Technologies and Applications	3(3-0-6)
CEN 5206	Fuel Cell Technologies and Applications	3(3-0-6)
CEN 5207	Thermodynamics and Energy Conversion	3(3-0-6)
CEN 5210	Biomass Upgrade and Conversion Technology	3(3-0-6)
CEN 5211	Biogas Technology	3(3-0-6)
CEN 5212	Biodiesel Production Technology	3(3-0-6)
CEN 5213	Community Power Plant	3(3-0-6)
CEN 5214	Nanomaterials for Energy and Environment	3(3-0-6)
CEN 5215	Biorefinery	3(3-0-6)
CEN 5305	Climate Change and Community Ecology System	3(3-0-6)
CEN 5306	Community Environmental Pollution Control	3(3-0-6)
CEN 5403	Smart Grid and Disruptive Technologies in Power Sector	3(3-0-6)
CEN 5407	Physical and Environmental Control of Green	3(3-0-6)

	Building	
CEN 5411	Green Business	3(3-0-6)
CEN 5412	Energy Management System Audit	3(3-0-6)
CEN 5413	Proposal Development for Community Based Project	3(3-0-6)
CEN 5414	English for Community Energy and Environment	3(3-0-6)
CEN 5501	Selected Topic in Community Based Energy	3(3-0-6)
CEN 5502	Selected Topic in Community Based Environment	3(3-0-6)
CEN 5801	Internship	3(135)

2.3 Thesis 12 Credits

CEN 5904	Thesis A 2	12(540)

2.4 Additional courses without credits

COM 5101	Computer for Graduate Studies	3(3-0-6)
ENG 5101	English for Graduate Studies	3(3-0-6)

Study Plans:

1) Study Plan A type A1

Year 1/ Semester 1: Plan A type A1		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5903	Thesis A 1	9	0	405	0
ENG 5101	English for Graduate Studies	3	3	0	6
COM 5101	Computer for Graduate Studies	3	3	0	6
Total		15	6	405	12

hours/week = 45

Year 1/ Semester 2: Plan A type A1		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5903	Thesis A 1	9	0	405	0

CEN 5905	Seminar 1	1	0	3	1
Total		10	0	408	1

hours/week = 31

Year 2/ Semester 1: Plan A type A1		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5903	Thesis A 1	9	0	405	0
CEN 5906	Seminar 2	1	0	3	1
Total		10	0	408	1

hours/week = 31

Year 2/ Semester 2: Plan A type A1		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5903	Thesis A 1	9	0	405	0
CEN 5907	Seminar 3	1	0	3	0
Total		10	0	408	1

hours/week = 31

2) Study Plan A type A2

Year 1/ Semester 1: Plan A type A 2		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5101	Research Methodology in Science and Social Science	3	3	0	6
CEN 5103	Energy and Environment for Community	3	3	0	6
CEN 5410	Smart and Green Community	3	3	0	6
CEN xxxx	(Elective Course)	3	3	0	6
COM 5101	Computer for Graduate Studies	3	3	0	6

Total	15	15	0	30

hours/week = 45

Year 1/ Semester 2: Plan A type A2		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5905	Seminar 1	1	0	3	1
CEN xxxx	(Elective Course)	3	3	0	6
CEN xxxx	(Elective Course)	3	3	0	6
CEN xxxx	(Elective Course)	3	3	0	6
ENG 5101	English for Graduate Studies	3	3	0	6
Total		13	12	3	25

hours/week = 40

Year 2/ Semester 1: Plan A type A2		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5904	Thesis A 2	6	0	270	0
CEN 5906	Seminar 2	1	0	3	1
Total		7	0	273	1

hours/week = 22

Year 2/ Semester 2: Plan A type A2		**Credits**	**Theory**	**Action**	**Self-Study**
CEN 5904	Thesis A2	6	0	270	0
CEN 5907	Seminar 3	1	0	3	1
Total		7	0	273	1

hours/week = 22

Thesis Process

The schedule and guidelines for graduate-level thesis preparation must follow the procedures of the Graduate School, Chiang Mai Rajabhat University, as outlined in the attached document and website:
https://www.graduate.cmru.ac.th/index.php?ge=nav_view&gen_lang=170924023207&title=%E0%B9%81%E0%B8%9A%E0%B8%9A%E0%B8%9F%E0%B8%AD%E0%B8%A3%E0%B9%8C%E0%B8%A1%E0%B8%9B%E0%B8%A3%E0%B8%B0%E0%B8%81%E0%B8%AD%E0%B8%9A%E0%B8%81%E0%B8%B2%E0%B8%A3%E0%B8%97%E0%B8%B3%E0%B8%A7%E0%B8%B4%E0%B8%97%E0%B8%A2%E0%B8%B2%E0%B8%99%E0%B8%B4%E0%B8%9E%E0%B8%99%E0%B8%98%E0%B9%8C/IS%20(Thesis/Independent%20Study%
20Form)

Announcement of Chiang Mai Rajabhat University
Subject: Procedures and Guidelines for Thesis or Independent Study Preparation at the Graduate Level
Year B.E. 2567 (A.D. 2024)

In recognition of the imperative need to enhance the procedures and guidelines for the preparation of thesis and independent study at the graduate level, and to ensure that the management and operations of the Graduate School are appropriate, efficient, and in alignment with the Ministry of Education's announcement concerning the standards for graduate-level curriculum in B.E. 2558 and the announcement of the Committee on Educational Standards for Higher Education pertaining to the standards for graduate-level curriculum in B.E. 2565, and by virtue of the authority vested in Section 31 (1) and (2) of the Rajabhat University Act B.E. 2547, with the approval of the Graduate Studies Committee at its meeting No. 2/2567 on February 22, 2024, it is hereby announced the revocation of Chiang Mai Rajabhat University's previous announcement regarding the procedures and guidelines for thesis or independent study preparation at the graduate level in B.E. 2566 (A.D. 2023). A new announcement is issued regarding the procedures and guidelines for thesis or independent study preparation at the graduate level in B.E. 2567 (A.D. 2024) as follows:

1. Submission of Thesis or Independent Study Topic and Advisor Approval Request

Students may submit a request for the approval of a thesis or independent study topic and advisor after studying for a minimum of one academic semester. The submission should include a Concept Paper (GS. 1) for review, as detailed below:

1.1 The Curriculum Management Committee will review the proposed thesis or independent study topic and the selection of advisor (s).

1.1.1 Upon approval, the Concept Paper should be attached and submitted to the Graduate Studies Committee of the respective faculty/college.

1.1.2 In cases where approval is not granted, students will be notified to make revisions, after which the proposal will be resubmitted for reconsideration by the Curriculum Management Committee.

1.2 The Graduate Studies Committee of the respective faculty/ college, appointed by the President, will consider the thesis or independent study topic and advisor (s).

1.2.1 In the event of approval, the student is required to submit a revised Concept Paper, amended in accordance with the decision of the faculty/ college graduate committee, to the Graduate School within 15 days for the appointment of a thesis advisor or independent study advisor.

1.2.2 In the event of disapproval, the faculty/ college shall notify the program to instruct the student to revise the Concept Paper according to the decision of the faculty/college graduate committee. The program shall propose to the curriculum management committee and the faculty/college graduate committee for reconsideration in sequence.

2. Thesis or Independent Study Proposal Examination

2.1 Proposal Examination Request

Students must submit the Request Form for Thesis/ Independent Study Proposal Examination (GS. 2) along with a copy of the thesis or independent study, to the Graduate School at least 15 days before the examination date.

2.2 Request for Thesis or Independent Study Approval

2.2.1 Upon successful examination or conditional approval, students must proceed to incorporate recommended revisions and present a finalized version of the thesis or independent study, including the Request Form for Thesis/ Independent Study Proposal Approval (GS. 3) after the cover page. This submission should occur within 15 days from the examination date.

2.2.2 In cases where students do not pass the examination, students are required to make revisions in accordance with the recommendations of the examination committee and subsequently submit the thesis examination request (as per 2.1) within 15 days from the examination date.

2.3 Students are required to submit the completed proposal of thesis or independent study to the Graduate School as follows:

1) For doctoral level : 5 copies of the thesis,
2) For master's level : 4 copies of the thesis, or
   3 copies of the independent study.

2.4 Students are required to submit the Report Form for Checking Plagiarism and Duplication in Thesis/Independent Study to verify the absence of plagiarism or duplication of others' academic work within the thesis or independent study.

2.5 Once the thesis or independent study has been approved by the Graduate School, it will be presented to the Graduate Studies Committee for acknowledgement.

3. Requesting for Instrument Evaluation/Instrument Testing/Instrument Using/Data Collection in Thesis/Independent Study

Students may submit the Request Form for Instrument Evaluation/ Instrument Testing/ Instrument Using/ Data Collection in Thesis/ Independent Study (GS. 4) to obtain an official letter of endorsement from the Faculty/College.

4. Thesis or Independent Study Examination

Students are eligible to undertake the thesis or independent study examination subsequent to the approval of their thesis or independent study, provided that a minimum of 30 days have elapsed, and they have successfully completed the Qualifying Examination at the doctoral level or the Comprehensive Examination at the master's level, while maintaining a minimum cumulative GPA of 3.00 on a 4.00 scale. This requirement is excepted for the standards for graduate-level curriculum as follows:

1) The standards for graduate-level curriculum in B.E. 2558 including,
   1.1) Master Degree Plan A1
   1.2) Doctoral Degree Type 1
2) The standards for graduate-level curriculum in B.E. 2565 including,
   2.1) Master Degree Plan 1 Academic Type (Thesis)
   2.2) Doctoral Degree Plan 1

4.1 Examination

Students are obliged to submit the Request Form for Thesis/ Independent Study Examination (GS. 5), accompanied by the requisite documents, to the Graduate School no later than 15 days prior to the scheduled examination date, as delineated below:

1) Receipt of thesis or independent study examination fee payment,
2) Copies of the thesis or independent study, as follows:
   2.1) Doctoral level : 2 copies of the thesis,
   2.2) Master's level : 1 copy of the thesis, or
   2 copies of the independent study.

4.2 In the case of a pass, students must make corrections according to the recommendations of the thesis or independent study examination committee within 30 days from the examination date. In contrast, in the case of a failure, students must make corrections according to the recommendations of the thesis or independent study examination committee within 30 days from the examination date and submit a request for re – examination as per 4.1.

5. Completion of Thesis or Independent study

5.1 Students are required to submit the manuscript of their thesis or independent study (Revised Version) (GS. 6), along with one copy of the thesis or independent study, which has been revised in accordance with the recommendations of the examination committee, to the Graduate School for format review.

5.2 Subsequent to the successful format review of the thesis or independent study, students are expected to make any required corrections and then submit the complete hardbound copies of the thesis or independent study to the Graduate School for final approval. This must be done before the production of the final bound copies.

5.3 Students are required to submit the Report Form for Checking Plagiarism and Duplication in Thesis/Independent Study to verify the absence of plagiarism or duplication of others' academic work within the thesis or independent study.

5.4 Students must submit 2 hardbound copies of the complete thesis or independent study, along with the Submission Form for Full–Text Thesis/ Independent Study (GS. 7), and evidence of publication and/or dissemination of the thesis or independent study in accordance with the program's graduation requirements.

This regulation shall be effective from the academic year 2023 onwards.

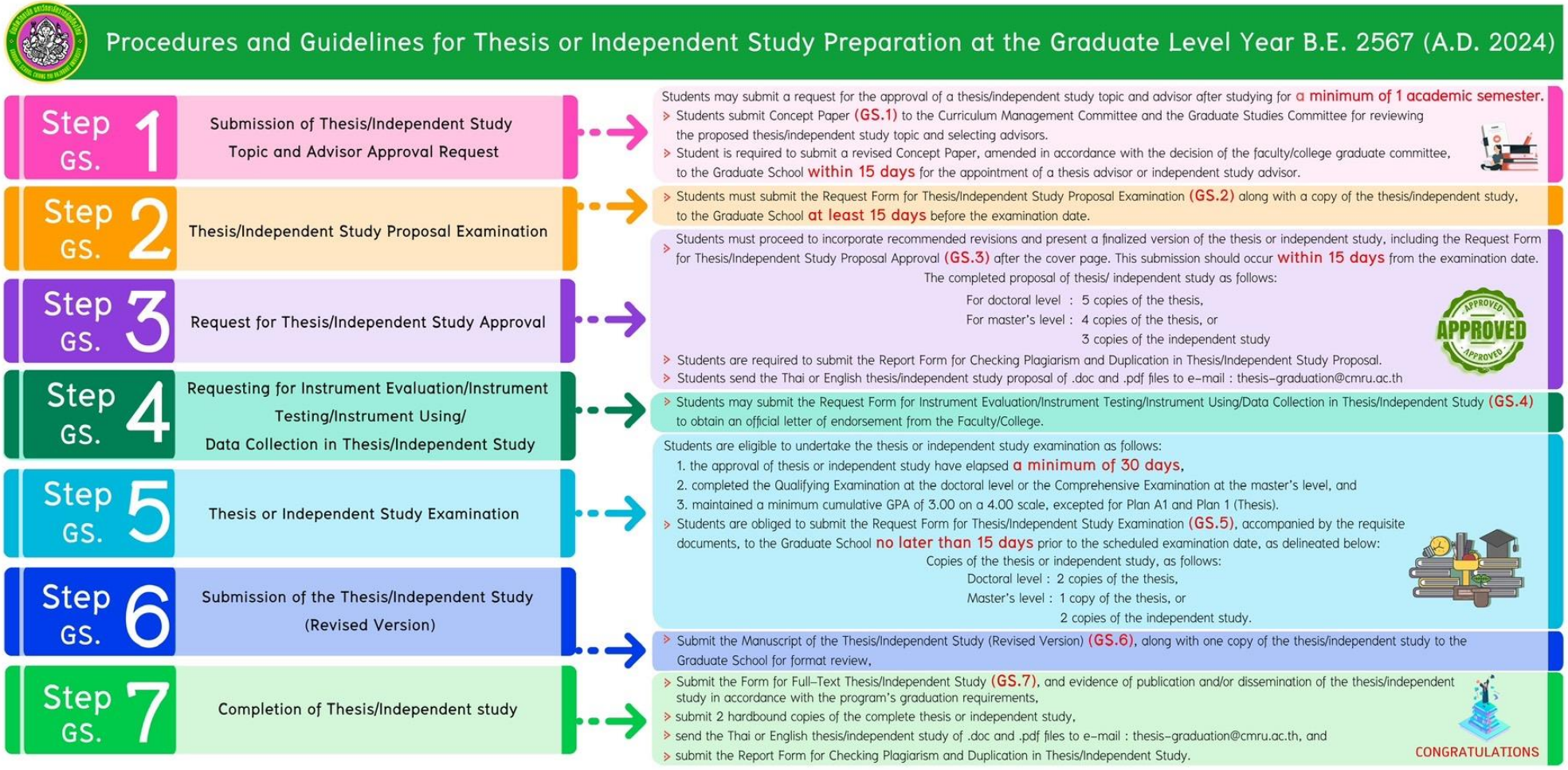
Announced on March 14, 2024.

Chatree Maneekosol

(Associate Professor Dr. Chatree Maneekosol)
Acting President of Chiang Mai Rajabhat University

Graduate School, Chiang Mai Rajabhat University's procedures and guidelines

for the preparation of thesis and independent study at the graduate level



7.2 Course Content

CEN 5101 Research Methodology in Science and Social Science 3(3-0-6)

Research methodology in science and social science; the criteria and process formulation in research; referencing; document research; planning and research design; proposal development with research statistics; conclusion and discussion; reporting; oral presentation; case study of research methodology in science and social science from researcher and successful and well accepted research

CEN 5103 Energy and Environment for Community 3(3-0-6)

Global and Thailand energy situation; problem and relationship between natural resources environment and energy; principal of natural resource and environment conservation; law and regulation relating to study and survey of energy and environmental issues in a community; community-based energy and environmental impact, evaluation, prevention, and correction

CEN 5410 Smart and Green Community 3(3-0-6)

Concept of smart and green community model with the balance between energy and environment; standard of smart community and smart city in the world; examples of smart and green communities in the world; community data collection and interpretation with sensors, IOT and big data; data analysis to design guidelines for solving community issues; community leaderships; community management; building a solid and sustainable community

CEN 5905 Seminar 1 1(0-3-1)

Current problem or aspect relating to the energy; guidance for the literature survey; seminar format presentation; the method and format of presentation will be in accordance to the curriculum committees along with knowledge sharing with both domestic and international experts in energy and environment or related fields.

CEN 5906 Seminar 2 1(0-3-1)

Current problem or aspect relating to the environment; guidance for the literature survey; seminar format presentation; the method and format of presentation will be in

accordance to the curriculum committees along with knowledge sharing with both domestic and international experts in energy and environment or related fields.

CEN 5907 Seminar 3 1(0-3-1)

Current problem or aspect relating to the community energy and environment; guidance for the literature survey; seminar format presentation; the method and format of presentation will be in accordance to the curriculum committees along with knowledge sharing with both domestic and international experts in energy and environment or related fields.

CEN 5202 Solar Energy 3(3-0-6)

Solar radiation; solar ray characteristics; solar radiation measurement equipment; application of solar energy as thermal and electricity; economic analysis of solar cell's application; and the marketing opportunity for solar cells

CEN 5204 Wind Energy 3(3-0-6)

Potential of wind energy; electricity production system; application of wind energy; the effect of using wind energy; the analysis of economics and marketing of wind energy

CEN 5205 Hydrogen Energy Technologies and Applications 3(3-0-6)

Hydrogen energy; hydrogen generation methods; hydrogen storage techniques; hydrogen transportation; basics of fuel cell; hydrogen society

CEN 5206 Fuel Cell Technologies and Applications 3(3-0-6)

Fuel cell introduction; fuel cell thermodynamics; fuel cell reaction kinetics; fuel cell charge and transport; fuel cell types; fuel cell characteristic; fuel cell application

CEN 5207 Thermodynamics and Energy Conversion 3(3-0-6)

Basic principle on thermodynamics; first and second laws of thermodynamics and their applications; heat transfer; energy audits and surveys; energy monitoring; role and guideline of energy conservation

CEN 5210 Biomass Upgrade and Conversion Technology 3(3-0-6)

Biomass concept; biomass resource in community, biomass composition and properties, biomass pretreatment; biomass quality improvement through densification technique; thermochemical conversion technique for producing solid biofuel, gas biofuel and liquid biofuel; energy from solid biomass; value-added processing of biomass energy production residues and co-product; impact of biomass energy on economic, environment and social; the promotion of biomass energy in community

CEN 5211 Biogas Technology 3(3-0-6)

Substrate of biogas system; environmental factors affecting biogas production; biogas technology; biogas system design and operation; biogas cleaning and upgrading; application in industries and households; biogas safety

CEN 5212 Biodiesel Production Technology 3(3-0-6)

Concept of biodiesel; materials of biodiesel production; biodiesel reaction; biodiesel production process; plant equipment and operation; biodiesel qualities; biodiesel purification; the analysis of economics and marketing of biodiesel

CEN 5213 Community Power Plant 3(3-0-6)

Energy and community power plant policy and regulation; community power generation system; community power plant; community microgrid; project feasibility analysis; energy management systems and community participation

CEN 5214 Nanomaterials for Energy and Environment 3(3-0-6)

Nanomaterials; nanomaterials classification; zero-dimensional nanomaterials; one-, two- and three-dimensional nanomaterials; nanomaterials for energy application; photovoltaic cells; energy storage device and fuel cells; nanomaterials for environmental application; air pollution control; water treatment; green product

CEN 5215 Biorefinery 3(3-0-6)

Definition and theory of biorefinery, Global and National situations of biorefinery, Feedstocks of biorefinery, Biorefinery processes, Biorefinery products, Challenge of biorefinery, Community-based biorefinery, Basic economic feasibility of biorefinery

CEN 5305 Climate Change and Community Ecology System 3(3-0-6)

Overview of climate change; greenhouse effect and global warming, climate change vulnerability and adaptation from scientific and policy aspect; climate change agreement (UNFCCC); the importance of ecosystems, natural resources, and biodiversity; application and impact of technology on the environment; scientific approaches to the management of environmental problems

CEN 5306 Community Environmental Pollution Control 3(3-0-6)

Principal of community-based pollutions including community wasted, wastewater, and air pollution; environmental health standard and laws; health risk assessment; effects of human health from community-based pollutions; using engineering knowledge to enhance community environment

CEN 5403 Smart Grid and Disruptive Technologies in Power Sector 3(3-0-6)

Energy situation; energy transition; disruptive technologies and policy in power sector; smart grid smart grid infrastructure; peer-to-peer power trading; blockchain technology; electric vehicle; energy storage system; home energy management system; building energy management system

CEN 5407 Physical and Environmental Control of Green Building 3(3-0-6)

Physical and environmental characteristics of green building; building energy consumption analysis and technique; building climatology, urban environment and climate; indoor air/environmental control system; ventilation and air change control mode; green building heat transfer and insulation control; thermal loading of building envelope; energy saving technologies

CEN 5411 Green Business 3(3-0-6)

Concept of bioeconomy, green economy, circular economy; concept of social enterprise; concept of green business; strategy and guidelines to socially enterprise management; management and planning of environmental friendly community business structure; carbon credit; the application and community product with natural resources and residuals; the development of community products to achieve the standardization of community products; green business value chain

CEN 5412 Energy Management System Audit 3(3-0-6)

Concept of ISO 50001; evaluation according to related regulations; International standard for energy management system; energy audit in energy efficiency and energy lost measurement; measurement and analysis of energy consumption; solution in energy conservation

CEN 5413 Proposal Development for Community Based Project 3(3-0-6)

Critical elements of reactive and proactive proposal for local community; Design of a project based on needs assessment and problem identification; project budget design and justification; specific activities and timeline for implementation; monitoring and evaluation plan; Proposal Review Process

CEN 5414 English for Community Energy and Environment 3(3-0-6)

English skills such as listening, speaking, reading and writing for research in the field of energy and environment; Emphasis the skills in pronunciation and presenting; technical vocabulary, listening and oral presentation for international academic conferences

CEN 5501 Selected Topic in Community Based Energy 3(3-0-6)

Studying and analysing cutting-edge energy subjects that are not covered in the standard courses in order to meet the current energy situation of a community. The course syllabus is created in response to the situation and condition of a community.

CEN 5502 Selected Topic in Community Based Environment 3(3-0-6)

Studying, and analysing cutting-edge environmental subjects that are not covered in the standard courses in order to meet the current environmental situation of a community. The course syllabus is created in response to the situation and condition of a community.

CEN 5801 Internship 3(135)

Internship to achieve expertise, skills and experiences; provide report, presentation and discussion from the intern collaboratively

CEN 5903 Thesis A 1 36(1620)

The thesis work is under the supervision of advisory committee members.

CEN 5904 Thesis A 2 **12(540)**

The thesis work is under the supervision of advisory committee members.

COM 5101 Computer for Graduate Studies **3(3-0-6)**

Basic knowledge of computer utilization focusing on application skill in thesis; and using other solfwares that are necessary for researching; including basic knowledge of information technology, computer network and internet

ENG 5101 English for Graduate Studies **3(3-0-6)**

Lisening, speaking, reading and writing in Engling that are necessary for research fosucing on reading and writing abstracts, research summary and academic

8. Graduation Conditions:

8.1 Plan A type A1

1) Students must pass a written and/or oral Comprehensive Examination in the subject of study.

2) Students must submit a thesis and pass a final oral examination given by a university committee. There should also be a method that allows interested parties to listen in.

3) According to the Higher Education Commission, the thesis work or a portion of the thesis must be published or accepted for publication in at least one national or international journal of high quality.

8.2 Plan A type A2

1) Students must finish the curriculum according to the program's requirements. From a possible score of 4, you must have a grade point average of at least 3.00.

2) Students must pass a written and/or oral Comprehensive Examination in the subject of study.

3) Students must submit a thesis and pass a final oral examination given by a university committee. There should also be a method that allows interested parties to listen in.

4) According to the Higher Education Commission's Notification, the thesis work or a portion of the thesis must be published or at least accepted for publishing in at least one national or international journal of high quality or the whole work presented (Full Paper) has been published in the report following the proceedings stated at least one copy at international academic conferences.

9. Applicant Qualifications

9.1. Plan A Type A1

Completion of a bachelor's degree or equivalent in related program with the GPAX for 8 semesters no less than 3.25 or completion of a bachelor's degree or equivalent in related program with at least 2 years' experience in the area of community energy and environment or related areas.

9.2. Plan A Type A2

Completion of a bachelor's degree in related program with curriculum

9.3. Other qualifications should be considered in accordance with Chiang Mai Rajabhat University Announcement

The Others required documents for applying to the graduate program must follow the procedures of the Graduate School, Chiang Mai Rajabhat University, as outlined in the attached document on website: https://www.graduate.cmru.ac.th/index.php

11. Contact:

11.1 Asst. Prof. Dr. Surachai Narrat Jansri
Tel. 082 535 1987
Email address: Surachai_nar@g.cmru.ac.th

11.2 Mr. Chokchai Kongudomsap
Tel. 086 923 4036
Email address: chokchai_kon@cmru.ac.th