



Summer Course

Program Book

2024







Universitas Sumatera Utara



Summer Course Program Book
2024



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FOREWORD



Dear all,

The Universitas Sumatera Utara, distinguished as a State University with Legal Entity (PTN-BH), emerges as a leading academic institution in Indonesia, fostering an environment conducive to progressive development and international endeavors across diverse educational settings.

Amidst the ongoing challenges posed by the current global landscape, marked by the prevalent New Normal, the university recognizes the need to adapt and navigate this transformative period. The issues at hand, including the dynamic shifts in education, embracing technology, and

evolving global interactions, underscore the importance of resilience and innovation within the academic community.

In response to these transformative dynamics, the Universitas Sumatera Utara acknowledges the imperative to fortify its role and standing in the academic realm. This involves cultivating creative and sustainable ideas on a national, regional, and global scale, particularly addressing international collaboration in imparting theoretical knowledge, honing critical thinking, and fostering proficiency in management and communication skills among the upcoming generation.

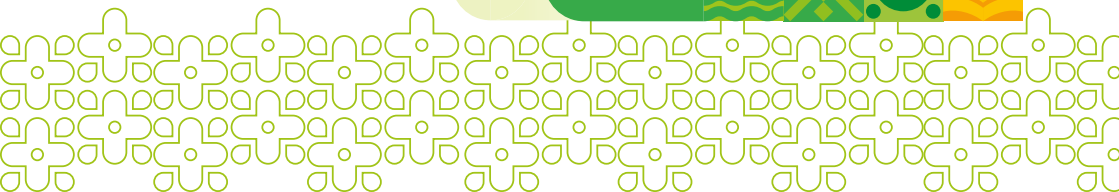
In conclusion, heartfelt gratitude is extended to the Vice-Rector for Research, Community Service, and Cooperation, and the USU international team. Their unwavering dedication and hard work in formulating and preparing the Summer Course Programs are acknowledged as instrumental in expediting USU's progress towards internationalization targets within the context of the ongoing New Normal. May Allah SWT, the Almighty God, continuously bless and guide all endeavors.

Your Sincerely


Medan, March 2024

Rector

Prof. Dr. Muryanto Amin, S.Sos., M.Si.



A WELCOME NOTE



It is with great pleasure that I extend a warm welcome to each one of you.

We are thrilled that you have selected Universitas Sumatera Utara as the institution to embark on your academic journey. Here on this campus, you will have the opportunity to engage with students hailing from various countries, facilitating the exchange of both academic and non-academic perspectives. As inhabitants of a global society, our studies, learning endeavours, and knowledge sharing collectively prepare us for active participation and collaboration within the global community.

Our efforts to elevate the international profile of USU and enhance the experience for international students have been notable, partly attributable to the optimization of the International Affairs Office (IAO). The IAO, responsible for hosting international students and managing other global affairs, stands ready to offer any assistance required to ensure your comfort during your studies at USU.

Embarking on an academic journey at a foreign university reflects a courageous step in your career, presenting promising opportunities both academically and socially. We commend your openness to embrace new cultural experiences while valuing and preserving your own cultural identity.

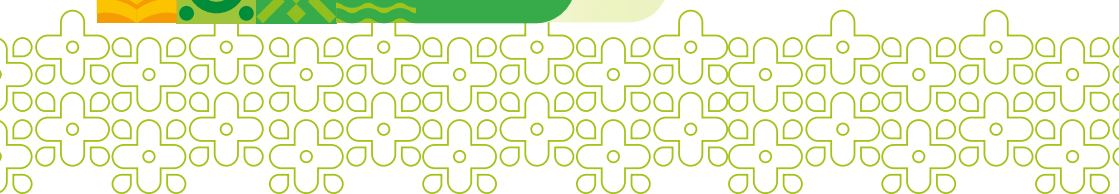
We sincerely hope that you will remain an integral part of our community, encouraging you to stay connected even when you are back in your home country. As you depart, we hope that a piece of USU remains in your thoughts and hearts, beckoning you to return in the future.



Medan, March 2024

Vice Rector for Research, Community Service, and Collaboration

Prof. Dr. Poppy Anjelisa Zaitun Hasibuan. M.Si., Apt.



Registration Procedure



Summer Courses Program is designed to serve students and professionals to study at Universitas Sumatera Utara (USU) Campus. During the implementation of academic activities, participants will explore and work together for a while. The presentations, tutorials, and other activities will be delivered in English. The educational activities are provided by USU faculty staffs and foreign resource persons (such as professors and researchers from partner universities, experts who work in reputable industries/ research centers, or international standing organizations). USU World Class University Program supports these Summer Course Programs.

There is no registration fee to join. Eligible applicants will receive a notification of acceptance as USU non-regular students for a limited period. At the end of the program, there will be assessments, and the successful participants will be granted transferable credit units. Please read the registration process carefully:

1. For the interested participant, please apply online through the Registration Link in each Summer Course Program.
2. Local participants can register directly without any documentation.
3. For international participants, specific documentation must be provided as the following when you register:
 - a) Completed Application Form (in PDF Format max. 300kb)
 - b) CV (in PDF Format max. 300kb)
 - c) Scanned Copy of ID Page Passport (in JPEG format 100kb-300kb)
 - d) Latest Close-up Digital Colored Photo (Facing front, Red Background, file size between 100 kb - 300 kb in JPEG format)
 - e) Letter of Declaration (in PDF Format max. 300kb)
 - f) Letter of Acceptance - Provide by Host University (Study Program / Faculty) (in PDF Format max. 300kb)
4. Samples and templates off all documents can be downloaded from : <https://bit.ly/TemplateSummerCourse>



Content



Foreword Rector	
A Welcome Note Vice Rector for Research	
Registration Procedure	
Content	
Promoting Physical Activity and Diet in Combating	
Triple Burden of Disease in Asia : New Insight	01-03
Legal Framework of Carbon Trading for Mangrove	
Tourism Village.....	04-05
Inclusive And Sustainable Palm Oil Industry	06-09
Efficiency And Precision Technology in Animal Production.....	10-13
Managing Sustainable Ecosystem in the Port Vicinities	14-15
Bamboo for Biodiversity, Environment and Livelihood	16-17
Green Strategies for Protecting Endangered Species and	
Minimizing Habitat Destruction in the Construction Sector.....	18-19
Historic Urban Landscape Approach for the Future	
of Medan Architectural Heritage	20-22
Sustainable Tourism Planning and Design :	
North Sumatera Experience	23-25
Sustainable Product Design for Everyday Life	26-27
Advanced Feasibility Study : Theory and Practice	
in Plam oil Industry.....	28-31
Revolutionizing Accounting : Navigating the Digital Transformation	32-33
Social Entrepreneurship as a Solution to a Region's Social Problem	34-35
Application of Natural Resources in Dentistry	37-38
North Sumatera Cultural Diversity : Introducing Malay	
and Batak Oral Tradition and Local Wisdom	39
The 3rd Agrarian Politics, Food Sovereignty, and Peasant's Right	40
Empowerment Practices for Disadvantaged People	

Social Entrepreneurship to Achieve Sustainable Development Goals	42
Local Leadership for Sustainable Development.....	43
Maritime Cultural Studies in Indonesia	44
Local Wisdom in Supporting Community Health and Tropical Areas in North Sumatera Province of Indonesia	45
Sustainability and Innovation of Natural Cosmetics	46-47
Nursing Complementary Therapy Based in Local Wisdom	48-50
Journey Among North Sumatran Mangrove	51-53
Inspection Techniques and Data Analysis of Oil Palm Plantation Valuation	54-57

FACULTY OF MEDICINE



PROMOTING PHYSICAL ACTIVITY AND DIET IN COMBATING TRIPLE BURDEN OF DISEASE IN ASIA : NEW INSIGHT

Prof. Dr. dr. Dina Keumala Sari, M. Gizi, SpGK(K)

FACULTY OF MEDICINE
UNIVERSITAS SUMATERA UTARA



Course Description

Covid 19 pandemic has raised global awareness and preparedness of emerging diseases. Developing countries especially in Asia are facing new challenges in public health due to this third burden of health in addition to another two burdens i.e communicable and non-communicable diseases. Physical distancing, personal hygiene and sanitation combined with physical activities and good diet are recommended lifestyle that everybody should practices to maintain good health condition. This healthy lifestyle is also highly recommended to prevent and manage noncommunicable and degenerative diseases such as hypertension, diabetes, coronary heart disease and dementia.

In fact, many people still maintain or return to their sedentary lifestyle and high sugar/fat diet. It is not easy to change someone lifestyle. Moreover, it is challenging to select and program the right type of exercise and diet that suit well with their needs, age and health conditions.

In this course we will discuss the benefit of exercise and nutrition in promoting human health, immunity and implementation of exercise and nutrition in prevention and management of triple burden of diseases. Interestingly, we will also discuss the influence of diversity in genetic background (ethnicity, race), socioeconomic status and culture that affect nutrition intake, types of exercise and body responses to them. Special topic about physical activity and nutrition enrichment in adult neurogenesis will be also hot issues to chew.

This course is also supported by the SPIRIT Project of Erasmus+ that involves European and Asian countries including Spain, Cyprus, Portugal, India, Sri Lanka, and Indonesia. This project emphasise in the development of curriculum, e-learning, lifelong learning courses with a focus on increasing physical activity, exercise, and proper nutrition for young people. Top scientists in sport science, nutrition and neurobehavior will be the mentors in this course.



Learning Outcome

After complete these course, all the participant :

1. Transferable course credit: 2 credits.
2. Lectures by professors from SPIRIT Projects countries (Spain, Cyprus, Portugal, India, SriLanka, Indonesia)
3. Class discussion with inclusive SPIRIT Projects students
4. Participation certificate
5. Able to analyze and have the view in term of prevention and treatment the health problem in Asia due to the triple burden of diseases
6. Arrange networking program in physical activity and diet among asian countries
7. Cultural nights and visits to special sport mountain and hiking



Method Output

Method: Hybrid mode and these courses will be held on presentation and workshop.

Output: By this course there will be networking collaboration among Asian countries to encourage program, and further research due to physical activity and diet in fighting growing triple burden disease in Asia.

Time & Place

Time :

June 29th-July 07th, 2024

Place : Faculty of Medicine Universitas Sumatera Utara and Virtual Meeting (Hybrid)

Target : Medical doctors, Specialist doctor, Health practitioner, Dietitian, Nutritionist, Academician, Sport practitioner, researcher, Students

Course Schedule

Hybrid : June 29th - July 07th, 2024

- June 29th, July 01st-02th : Lectures
- 03th July : Freetime for Online Participant (Travelling to Medan-Indonesia for Offline Participant)
- 04th July : Practical Work (Online & Offline)
- 05th -06th July : Cultural Sports nights & Physical Activity Trip (Offline)
- 7th July : Course Finished



For Further Information

Please contact : Meriza Martineta (+628192002120)
Amel Nasution (+6282279349676)
or email : sic@usu.ac.id
Registration link : <http://bit.ly/SummerCourseSPIRIT2024>



The course is split into topics with a mixture of a short theoretical lectures and practical sessions. The materials cover the following topics:

1. Impact of Physical activity & Diet in Gut Microbiome
2. Physical Activity and Nutrition Enrichment in Adult Neurogenesis
3. Traditional Sport and Culinary in Asia : Correlation with disease management?
4. Problems and managing triple burdens in Asia
5. Physiology and Kinesiology of motor movement
6. Nutrition to enhance sports performance
7. Inclusion in Sport for School Age

In collaboration with SPIRIT Projects under Erasmus plus.





Universitas
Sumatera Utara



Transformation
Towards the Ultimate

Kampus
Merdeka
INDONESIA JAYA



FACULTY OF LAW



LEGAL FRAMEWORK OF CARBON TRADING FOR MANGROVE TOURISM VILLAGE

Dr. Mahmud Siregar, S.H., M.Hum

FACULTY OF LAW
UNIVERSITAS SUMATERA UTARA

Course Description

Carbon Trading is the trading of carbon emission reduction certificates from climate change mitigation activities. The demand in the carbon market arises from the desire to reduce greenhouse gas emissions rather than the obligation to do so. In addition to the need to reduce greenhouse gas emissions, the carbon market also arises due to policies that require the reduction and/or limitation of greenhouse gas emissions. Therefore, the carbon market is implemented as a means of implementing policies that require the reduction of greenhouse gas emissions.

Knowing about carbon trading will be easier to understand if it is done in conjunction with a direct visit to an area with mangrove forests. This will certainly also increase the knowledge of academia in the environment of the Universitas Sumatera Utara itself. This activity will also bring students from several universities abroad to the Universitas Sumatera Utara. These foreign students will attend lectures directly under the guidance of 3 (three) main speakers who are lecturers at the Faculty of Law, Universitas Sumatera Utara. In addition to the lecture activities as mentioned above, the foreign students will also be taken on field trips to mangrove forests in Deli Serdang or other areas in North Sumatra.

Topics & Methods

This program will cover several topics regarding :

1. Introduction of Indonesian Environment Law;
2. Theoretical Perspective of Carbon Trading;
3. Carbon trading practice in Indonesia;
4. Carbon Trading Dispute Settlement;



Output

1. Improving participant knowledge on carbon trading in Indonesia.
2. Improving participant awareness about Indonesia mangrove forest and carbon trading readiness.



Time and Place

1. **Engagement and Theoretical Classes (Online):** Mei – Juni 2024, from each participants' country.
2. **Empirical Case Classes and Field Work (Offline):** Juni 2024, in North Sumatra, Indonesia.

Requirement to enroll

Registered as university students, commit to attending all sessions, and be able to communicate in English.

For More Information

College Website: <https://fh.usu.ac.id/id>

Contact: detasukarja@usu.ac.id

Registration link: <https://forms.gle/wmYUHLtyRFtwp9fr8>



FACULTY OF AGRICULTURE



INCLUSIVE AND SUSTAINABLE PALM OIL INDUSTRY

Ir. Diana Chalil M.Si., Ph.D

FACULTY OF AGRICULTURE
UNIVERSITAS SUMATERA UTARA



Course Description

The palm oil industry is one of the most widely discussed industries, sparking positive and negative discussions. The inclusivity and sustainability of the industry are among its main issues. Having the largest plantation area and number of players in the industry, from multinational companies to smallholders, inclusivity and sustainability are highly relevant to the Indonesian palm oil industry. Magister and Undergraduate Agribusiness study programs with Consortium Studies on Smallholder Palm Oil (CSSPO) have collaboratively arranged discussion forums on such issues with several undergraduate and postgraduate foreign students from the University of Tasmania, University of Maryland, Peshawar Agricultural University, University of New England, and Montpellier University. Learning about such issues directly from experts in Indonesia, the biggest palm oil-producing country, particularly in North Sumatra, the province with the first commercially developed oil palm plantation, will be a great experience.

Learning Outcomes

After completing the workshop participants are expected to

1. Improve their knowledge and awareness of the inclusive and sustainable palm oil industry
2. Produce a YouTube video to raise community awareness of the inclusive and sustainable palm oil industry.

Time & Place

1. **Engagement and Theoretical Classes (Online):**
4-6 November 2024, from each participants' country.
2. **Empirical Case Classes and Field Work (Offline):**
10-16 November 2024, in North Sumatra, Indonesia.

Course Description

Method:

This program will cover several topics on inclusivity and sustainability in the palm oil industry. These topics include inclusive and sustainable palm oil, deforestation, certification, market demand, and regulations. Delivered by experts from multinational companies to world-class researchers, these topics could provide participants with up-to-date, valuable information and spark fruitful discussion. The summer course will consist of both online and offline activities. Online activities include the preparation process, participant engagement, and theoretical topic classes. Offline activities will cover empirical case lecture deliveries, visits to certified smallholder and company oil palm plantation and mill, and trekking and tubing at orangutan conservation areas.

Output :

1. Improving participant knowledge on inclusivity and sustainability.
2. Improving participant knowledge on palm oil sustainable management.
3. Improving participant knowledge the impact of the palm oil industry development.
4. Improving participant awareness about their role as an inclusive part of the sustainable palm oil supply chain.

Course Schedule

Date	Platform	Time	Activity	Description
Day 1: 4/11	Online	2.00 pm – 4.00 pm	Introduction	Riantri Barus, MSi, MP USU
Day 2: 5/11	Online	2.00 pm – 4.00 pm	Topic 1: The concept of inclusivity	Diana Chalil, PhD USU
Day 3: 6/11	Online	2.00 pm – 4.00 pm	Topic 2: The concept of sustainability	Diana Chalil, PhD USU
10/11	Participants' Arrival & Travel to Batubara		Kuala Namu International Airport dan ke Singapore City, Batubara Regency, North Sumatra	
	Offline	8.00 am – 8.30 am	Registration	Diana Chalil, PhD USU
		8.30 am – 9.00 am	Opening Ceremony	MC Speech • Prof. Dr. Himsar Ambarita Director of International Office, USU • Dr. Jean-Marc Roda CIRAD Regional Director • Prof. Tavi Supriana Dean of Faculty of Agriculture USU Picture Session
Day 4: 11/11	Offline	9.00 am – 10.15 am	Introduction to the program (TALENT and Summer School)	Prof. Alain Rival, TALENT coordinator
		10.15 am – 10.30 am	Explanation on short video-making	Organizer
		10.30 am – 11.15 am	Introduction team members	Participants
		11.15 am – 12.00 pm	Pre-test topics 3, 4, and 5 with Mentimeter	Organizer
		12.00 pm – 1.00 pm	Lunch and praying	Introduced and tasted Indonesian main course
		1.00 pm – 2.00 pm	Topic 3: sustainable certifications	ISPO, Directorate General of Plantation, Indonesia and/or RSPO, WWF

Course Schedule

Date	Platform	Time	Activity	Description
		2.00 pm – 3.00 pm	Topic 4: Deforestation	The Indonesian Ministry of Environmental and Forestry
		3.00 pm – 3.15 pm	Coffee Break	Adding some Indonesian vocabulary for daily conversation
		3.15 pm – 4.15 pm	Topic 5: Risk Management	Dr. Claude Garcia Forest Management and Development Team, ETH Zurich
		4.15 pm – 4.25 pm	Post-test topics 3, 4, and 5	Mentimeter
		4.25 pm – 4.30 pm	Explaining the group task: summarizing topics 3, 4, and 5 in a 5-minute video	Each group created a 5-minute video on the summary of topics 1,2 and 3 and submitted it to Google Drive by 8.00 pm
Day 5: 12/11	Offline	8.30 am – 8.45 am	Pre-test topics 6, 7, and 8	Mentimeter
		8.45 am – 10.00 am	Topic 6: Inclusive Palm Oil Supply Chain	Robert Nicholls, General Manager of Independent Smallholder, PT Musim Mas
		10.00 am – 11.00 am	Topic 7: Smallholder Corporation	Professor Shaufique F Sidique Director of the Institute of Plantation Studies, Universiti Putra Malaysia (UPM)
		11.15 am – 11.30 am	Ice breaking	Introducing and tasting more Indonesian snacks
		11.30 am – 12.30 pm	Topic 8: Traceability	Dr. Gotz Martin; Director Sustainability and Strategic Projects, PT. SMART, Tbk
		12.00 pm – 1.00 pm	Lunch and praying	Introduced and tasted Indonesian main course
		1.30 pm – 1.45 pm	Post-test topics 6, 7, and 8	Mentimeter

Course Schedule

Date	Platform	Time	Activity	Description
		1.45 pm – 2.00 pm	Explaining the group task: summarizing topics 6, 7, and 8 in a 5-minute video	Each group created a 5-minute video on the summary of topics 1,2 and 3 and submitted it to Google Drive by 8.00 pm
		2.00 pm – 2.30 pm	Discussion on the field trip	
		Free Time		
Day 6: 13/11	Offline	7.00 am – 3.00 pm	Fieldwork: Visit smallholder oil palm plantation	Batu Bara Regency, North Sumatra
		7.00 pm – 9.00 pm	Summarizing the fieldwork activity	Meeting room hotel
Day 7: 14/11	Offline	7.00 am – 4.00 pm	Fieldwork: Visit certified oil palm plantations and mill Traveling to Bukit Lawang	PT Socfin Indonesia, Kebun Bangun Bandar
Day 8: 15/11	Offline	9.00 am – 3.00 pm	Site visit to Orangutan and Tubing	Ecolodge, Bukit Lawang
		4.00 pm – 7.00 pm	Free time and Dinner	Ecolodge, Bukit Lawang
		7.00 pm – 8.30 pm	Participant's presentations	Ecolodge, Bukit Lawang
Day 9: 16/11	Offline	8.00 am – 11.30 am	Traveling back to Medan	
		11.30 am – 12.30 am	Lunch & Praying	Wisma USU
		12.30 pm – 2.30 pm	Campus Tour	
		2.30 pm – 5.30 pm	City Tour	
		5.30 pm – 7.00 pm	Free Time	
		7.00 pm – 9.00 pm	Closing ceremony & participant groups performance Closing ceremony	Award Certificates

For Further Information,
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Host Website : <https://csspo.or.id/>
Registration link : bit.ly/summercourseusu



INTERNATIONAL SUMMER COURSE 2024

EFFICIENCY AND PRECISION TECHNOLOGY IN ANIMAL PRODUCTION

Dr. Ir. Ma'ruf Tafsir, M.Si., IPM

FACULTY OF AGRICULTURE
UNIVERSITAS SUMATERA UTARA

COURSE DESCRIPTION

Future advancements in animal research are closely related to the global world, which is currently starting to enter an era of globalization where countries are opening up international trade boundaries. Global competition will encourage innovation and technological development, as well as increased efficiency. Therefore, the livestock sector is required to be able to streamline its production sector so that it can increase livestock production. However, precise livestock production technology is necessary to usher in the free trade age. Apart from that, Sustainable Development Goals (SDGs) as a new development that encourages changes that shift towards sustainable development based on human rights and equality to encourage social, economic, and environmental development is one of the challenges for the livestock industry in the food sector. Related to this, accordance with the Vision of the Animal Science Study Program at the Universitas Sumatera Utara (USU), it is very relevant to answer the challenges of the SDGs. The introduction, appreciation, and use of technology in livestock production to ensure community welfare is an important point in facing the free trade era.

Creating a collaborative environment between national and international university partners is another endeavour we might undertake, particularly in the field of education. This has the potential to significantly advance thinking in the field of animal science, particularly in the free trade era when we can work to accurately explain how technology works and how it may be used to the production of livestock. In order to realise USU's internationalization program, this collaboration can take the form of Summer Course (SC) activities, which can have a positive impact on reputation, international collaboration, and the number of international outbound and inbound students.

This Summer Course activity is a collaborative activity between undergraduate and graduate student of Animal Science Study Program, Faculty of Agriculture USU, with Science of Animal Production and Technology Department, Faculty of Animal Science, IPB, and Animal Science Department, Faculty of Agriculture UPM. This course will discuss the use of technology in livestock production efficiently and precisely, thereby producing quality livestock products that can meet international market expectations.

This course emphasizes learning methods through presentations and field trips to provide interesting learning impressions to students and enrich students with experiences gained in the field. In addition, it is the goal of this course to provide students with a wealth of information and understanding in the field of livestock production technology through lecturers and researchers who are experts in the field of animal production and technology as mentors.

There are several strategies used in implementing the Summer Course, including: (1) Conducting activities during the non-summer season, (2) In order to accommodate students who are actively studying, lectures are conducted at the end of each week, (3) Active and interactive learning delivery methods two-way implementation between lecturers and participants. (4) Summer Course activities consist of learning activities that refer to the *Kampus Belajar Kampus Merdeka* (MBKM) program with interactive learning programs and implementing collaborative projects for activity participants. Upon completion of the activity, students will get two credits as an enrichment course value that can be applied towards one of the courses that counts towards their graduation transcript, (5) Introduction to culture and superior livestock in Indonesia as a special attraction that will be introduced to Summer Course participants in 2024.



LEARNING OUTCOMES

1.	Improve the academic atmosphere by encouraging student interest and interest in taking part in the Summer Course program.
2.	Create knowledgeable and skilled students who can compete on a global scale in animals production-related industries, particularly in the free trade era.
3.	Students can apply the experience and knowledge gained during the Summer Course program to their respective campuses.
4.	Develop the international reputation of the Undergraduate and Graduate student of Animal Science Study Programs at the Faculty of Agriculture USU on a global and international scale.
5.	Increase international academic collaboration between the Undergraduate and Graduate student of Animal Science Study Programs at the Faculty of Agriculture USU with national and international university partners through a) student exchange, inbound and outbound students program; b) exchange of teaching staff.
6.	Increase international research collaboration between the Undergraduate and Graduate student of Animal Science Study Programs at the Faculty of Agriculture USU and reputable international universities.
7.	Organize integrative animal science and mutually beneficial collaboration for the Undergraduate and Graduate student of Animal Science Study Programs at the Faculty of Agriculture USU and partners.
8.	Develop sustainable Summer Course program in the Undergraduate and Graduate student of Animal Science Study Programs at the Faculty of Agriculture USU.





IPB University
— Bogor Indonesia —



**Universitas
Sumatera Utara**



UPM
UNIVERSITI PUTRA MALAYA

METHOD OUTPUT

Method:

This course will be held in a hybrid manner. Lectures will be conducted online, and excursions (field trips) will be conducted offline.

Output:

This course will facilitate networking and collaboration amongst reputable universities across many country to promote programs and further research regarding the application of efficiency and precise of technology in livestock production.



TIME & PLACE

Time: 1-12 August 2024

Online Lecturer and Excursion Program

Place: Hybrid

**Zoom Meetings, IPB University, Bogor,
Indonesia**

COURSE SCHEDULE

1-7 August 2024 :

**Online Lecturer
(Zoom Meetings)**



8-12 August 2024:

**Excursion Program
IPB University, Bogor, Indonesia**





The course is split into topics with a mixture of short theoretical lectures and practical sessions. The materials cover the following topics:

1. Hydrolytic Enzymes in Animal Feed
2. Livestock, Challenges and Solution
3. Community Development System (CDS) as an Essential Foundation to Establish Collective Business in Rural Community in Indonesia
4. Understanding the Importance of Social, Cultural and Economic Aspects of Livestock Production
5. Nutritional Regulation and Feeding Characteristics for Sows
6. SISKAs (Oil Palm and Cattle Integration): A Strategy to Tackle Global Market Uncertainty?
7. Feed Additives in Poultry
8. Livestock (cattle) Integration on Agricultural System (Oil Palm Plantation)
9. Animal Genetics Resources
10. Advances in Biopreservation Technologies for Animal-derived Foods
11. Uncovering the Richness of Milk Protein
12. Managing Ruminant Diets in Mitigating Climate Effects



Registration Link:
<https://bit.ly/SC.AnimalScience-2024>

CONTACT PERSON

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FACULTY OF ENGINEERING



INTERNATIONAL SUMMER COURSE 2024

MANAGING SUSTAINABLE ECOSYSTEM IN THE PORT VICINITIES

Dr. Ir. Ahmad Perwira Mulia, M.Sc

FACULTY OF ENGINEERING
UNIVERSITAS SUMATERA UTARA



Course Description

This course will enhance students' knowledge of managing sustainable ecosystems in the port vicinities. Sustainability within the framework of sustainable development has been a trending topic for the last 30 years. One of the challenges is to ensure the minimal impact of port operation and management on the environment, enabling the ongoing port improvement and development for future generations.

The course will continue to exemplify the three aspects (social, economic, and environmental) of sustainable development concerning the current practices of port engineering and management. The course is also designed to brainstorm and discuss coastal and environmental engineering and management,

waste management, mangroves revitalization and public participation in the port vicinities, and other relevant topics related to the concept of green port.

The course is expected to encourage the summer course participants to get familiar with the challenges and solutions that can be recommended to the related stakeholders (academics, business, and government), especially to achieve Sustainable Development Goal No 11 (Sustainable Cities and Communities: make cities and human settlements inclusive, safe, resilient, and sustainable).



Learning Outcomes

At the end of the summer course, practising student will :

1. Understanding sustainable ecosystem management in the port vicinities.
2. Share their experiences and exchange ideas about port operations and management within the local and international contexts.
3. Understand green technologies that can diminish the environmental impacts of port management and operation





Method and Output:

Blended learning method involving students and invited lecturers across the globe to conduct focus group discussions.

The benefits for the participants are:

- Opportunity to get lectures from world class lecturers from Indonesia and abroad.
- Opportunity to exchange knowledge and ideas and widen the network with international students from Indonesia and other countries.
- Free tuition fee.
- Certificate and transfer of credit.
- Unforgettable field trip to Belawan and Kuala Tanjung Ports of PELINDO and Lake Toba in North Sumatra.

Course Schedule

Time & Place

Lectures : 6th - 8th June 2024
(Hybrid, Medan)

Field Trip : 9th - 10th June 2024
(Port of PELINDO and Lake Toba NSumatra)

Registration Link :
<https://tinyurl.com/summercourseCEusu>

For further information, please contact:
Ir. Gina Cynthia R Hasibuan, ST., M.Sc., Ph.D
(+628126055391)
or email to summercourseftusu@gmail.com



Bamboo for Biodiversity, Environment and Livelihood

Dr. Ir. Rahmi Karolina ST., MT., IPM., GP

Faculty of Engineering
Universitas Sumatera Utara



Course Description



Bamboo has been identified as a potential instrument for socioeconomic development due to its fast growth, perceived environmental benefits, promising material properties, myriad applications, and relative underdevelopment as a global industrial product.

Bamboo, a versatile commodity plant growing abundantly in many tropical, subtropical, and temperate climates, has been identified throughout sustainable development discourse as a potential source of climate-smart income generation for communities in bamboo-producing countries. Still more projects aim to develop the bamboo industry indirectly through field trials into best practices for management and harvesting, research into the ecological benefits of bamboo plantations, and market research. Interventions may take place in collaboration with a range of stakeholders including universities, community groups, industry partners, and non-governmental organizations.

Bamboo is a versatile material with many applications, so these types of projects range from construction, furniture, arts and handicrafts, food, cosmetics, or other industries. Specific target outcomes and impacts include a socio-economic component, including income increases. These are usually in tandem with desired environmental benefits, such as increase in biodiversity, land restoration, watershed regulation, carbon sequestration, climate resilience, reducing reliance on timber resources, and promoting environmentally sustainable consumption. Due to its fast growth, even on poor or degraded soils, bamboo plantations may sequester more carbon than other plants in a similar environment.

Bamboo industry development is considered by many a climate resilient and inherently sustainable source of income, with many potential ecological co-benefits such as land restoration, watershed regulation and reduction in soil erosion. Bamboo grows well in some of the poorest areas of the world, and communities living in bamboo-producing areas may be some of the most vulnerable to climate change. Unlike trees, bamboo culms can be harvested many times on a shorter rotation cycle, providing faster income for farmers than equivalent tree plantations. In just 4–7 years, many giant bamboo species can be ready for use in structural applications such as housing, whereas wood species used in the timber trade are generally harvested after several decades. Also, unlike trees, bamboo is self-propagating, meaning that it can be harvested without killing the plant, encouraging regrowth, continually sequestering carbon and creating a regenerative income source for farmers over time. Harvesting bamboo is therefore promoted as a strategy to reduce deforestation in areas with abundant bamboo resources and scarce timber availability. Knowledge of traditional crafts, processing and harvesting methods represents a valuable cultural heritage in bamboo-producing areas. Many processing industries for bamboo, including hand weaving and the manufacture of household products, require little investment and can build on technical knowledge that already exists in rural communities, so they may provide a source of supplementary income for vulnerable communities.

By sharing knowledge among high-low-middle income countries, is expected to produce an understanding, analysis, and formulation of benefit that can be created by industries bamboo.

This course focuses on the sustainability of bamboo construction. Participants would be expected have some innovation to develop bamboo construction.

Course Overview

The course is split into topics with a mixture of a short theoretical lectures and practical sessions. The materials cover the following topics:

- ☞ The applications of bamboo in industries
- ☞ Bamboo as a sustainable construction material
- ☞ How can we improve the sustainability of bamboo harvesting
- ☞ What future applications can bamboo construction and bamboo composite being employed
- ☞ How strong is bamboo wood and bamboo composite





Learning Outcomes

- 1 Transferable course credit 3 ects
- 2 Lectures by professors
- 3 Class discussion
- 4 Participation certificateable
- 5 Arrange networking program in bamboo workshop

Method & Output

Method: Blended mode and these courses will be held on presentation and workshop.

Output: Bamboo, a versatile commodity plant growing abundantly in many tropical, subtropical, and temperate climates, has been identified throughout sustainable development discourse as a potential source of climate-smart income generation for communities in bamboo-producing country tries. Due to this potential, this summer course there will be networking collaboration among other countries to encourage program that aim to develop sustainable livelihoods with many environmental co-benefits through bamboo industry development.

Location

 Rectorat Bureau USU;
Integrated Research Laboratory USU;
Parapat

 Hybrid (Online Zoom Meeting)
Meeting ID: 982 0381 4317
Passcode: 883075

Schedule

Jun 2024	Jun 2024	Jun 2024	Jun 2024
18	19	20	21
Opening Ceremony and Lectures	Workshop of testing bamboo sample	Visiting Parapat	Closing Ceremony

Targets

Forestry student, Architects, Engineers, Craftsmen, Researchers, Academics.

Assessment

- 1 Attendance & active participation
- 2 Written-based assessment: quizzes, essays, portfolios
- 3 Laboratory training assessment: activity reports

Registration

- 1 Candidates need to fill in the Google Form through this link: <https://bit.ly/RegistrationSMCBamboo>
Deadline 31 May 2024
- 2 Selected participants will be sent an email noticing of the acceptance.
- 3 Participants will pay for their own transportation and accommodation.
- 4 There is no fee for the course.



Green Strategies for Protecting Endangered Species and Minimizing Habitat Destruction in the Construction Sector.

Ir. Gina Cynthia Raphita Hasibuan, S.T., M.Sc., Ph.D

Civil Engineering Postgraduate Programs,
Faculty of Engineering, Universitas Sumatera Utara



Course Description



Undeniably, one of the sectors in the world that utilizes the most resources and harms the environment is the building sector. Approximately 3 billion cubic tones, or 40%, of the raw materials that enter the world economy come from the construction sector annually; Approximately around 9% of the global gross domestic product is made up of this industry. While the building sector is crucial to economic expansion and progress, it also presents significant obstacles to the preservation of delicate ecosystems and the protection of endangered species.

The course will introduce the students to identify the importance of preserving biodiversity and encouraging the responsible utilization of our ecosystems which holds the secret that guarantees our survival. The course is also designed to brainstorm and discuss the strategy to ensure progress and sustainability be balanced for the earth to remain healthy and habitable in the long run. The course is expected to encourage summer course participants to ask relevant matters and/ or suggest insightful recommendations for the related stakeholders (Academics, Business, and Government) to achieve Sustainable Development Goal No 15 (Life on Land, which aims at protecting, restoring and promoting sustainable use of terrestrial ecosystems, sustainable manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss,

Targets

Specifically, the summer course is relevant with the following targets:

1. 15.3 of SDG 15 which is to end Desertification and restore Degraded Land (By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a landdegradation-neutral world) and target
2. 15.4 Ensure Conservation of Mountain Ecosystems (By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development.)
3. 15.5 Protect Biodiversity and Natural Habitats (Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species.)

Time & Place

23rd - 24th April 2024
(Hybrid, in Rahmat Wildlife Hall, Medan)

25th - 26th April 2024
(Field Trip in Rahmat International Wildlife Museum and Gallery in North Sumatra)

Learning Outcomes:

At the end of the summer course, participating students can gain

Understanding of Construction Sector impact to Wildlife, Endangered Species and Habitat.

Sharing experiences and suggesting recommendations about green strategies to diminish biodiversity loss and endangered species due to Construction sector activities

Understanding of future actions that can diminish the environmental impacts of construction projects and sector to the life of endangered species and Biodiversity/habitat.

Method and Output

Blended learning with students and invited lecturers across the globe

Benefits

1. Great opportunity to obtain lectures from World Class lecturers in Indonesia, Asia, and/or Europe.
2. Opportunity to exchange knowledge and ideas and widen the network with international students from around the world
3. Free Tuition Fee.
4. Certificate and Transfer of Credit.
5. Unforgettable Field Trip related to the summer course theme in Rahmat International Wildlife Museum and Gallery North Sumatra.

For Further Information

Contact Person : Ir. Gina Cynthia Raphita Hasibuan, S.T., M.Sc., Ph.D
gina.hasibuan@usu.ac.id
+62812 6055 391

HISTORIC URBAN LANDSCAPE APPROACH For the Future of Medan Architectural Heritage

Isnen Fitri, S.T., M.Eng, Ph.D

DEPARTMENT OF ARCHITECTURE
UNIVERSITAS SUMATERA UTARA



Course Description



The 2ND International Summer Course Architecture (ISCA) USU 2024 is a program that accommodates the involvement of international students and lecturers at the University of North Sumatra, especially in the Bachelor of Architecture study program, Faculty of Engineering. This program is one of the efforts made to realize the vision of the Bachelor of Architecture study program, which is to become a particular and international standard architectural undergraduate study program characterized by local excellence in line with the vision of the Faculty of Engineering and the University of North Sumatra. This activity is also expected to increase the level of internationalization of the Bachelor of Architecture study program in line with the University of North Sumatra Strategic Plan.

Medan is the third big city in Indonesia, with plenty of immovable cultural heritage. As experienced in other cities in Indonesia, the rapid growth of Medan following the independence of Indonesia, primarily due to its importance as a provincial capital and economic center, is inevitable and occurs naturally. Also, the development of one of the world's most essential plantation areas still becomes the economic basis for Medan city's growth and the hinterland's settlement pattern.

UNESCO's General Conference adopted the recommendation on the Historic Urban Landscape on 10 November 2011. The historic urban landscape approach moves beyond preserving the physical environment and focuses on the entire human environment with all its tangible and intangible qualities. It seeks to increase the sustainability of planning and design interventions by considering the existing built environment, intangible heritage, cultural diversity, socio-economic and environmental factors, and local community values. UNESCO's approach to managing historic urban landscapes is holistic; it integrates the goals of urban heritage conservation and social and economic development. The course adopts this method to see urban heritage as a social, cultural, and economic asset for the development of cities.

Embark on a transformative journey through Medan's rich cultural tapestry with our comprehensive 8 Skills Course. Delve into the city's architectural heritage, guided by expert curators from the Netherlands, as you uncover hidden narratives through the lens of data mining and historical exploration. Trace Medan's captivating past using cutting-edge methodologies recommended by UNESCO, while leveraging digital tools like Geographic Information System (GIS) and Building Information Modelling (BIM) technologies with insights from lecturers hailing from Nigeria and Malaysia. Expand your understanding of urban regeneration concepts, including cultural heritage management and carbon emission control, under the guidance of esteemed professors from the National University of Singapore. Join us in unraveling the intricate layers of Medan's history and shaping its vibrant future.





Learning Outcome:

Upon completion of this program, participants will gain a comprehensive understanding of:

1. Medan's Architectural Tapestry: Explore Medan's Architectural Heritage
2. Data Skills: Uncover Medan's histories by Digging4Data
3. Historical Footprints: Trace Medan's past through Historic Urban Landscape (HUL): QS and Cultural Mapping methods, recommendation by UNESCO.
4. Digital Tools for Heritage: Leverage Geographic Information System (GIS) and Building Information Modelling (BIM) technologies
5. Urban Regeneration Concept: Understand cultural heritage management and controlling carbon emissions

Method and Output:

Methods:

Hybrid Learning (Offline and Online).

Output

Participants in this course are required to be cautious in heritage issues, notably in Medan. Participants will be equipped with 8 skills through workshops and surveys. There will also be networking opportunities among international architecture students.



Course Schedule

Time & Place

August 01st - 11th, 2024
Medan

Registration Link : bit.ly/summercourseusu

Prerequisites:

This course takes precedence for second-year architecture students with interest in Heritage Conservation. Participants should be able to speak English since it will be the Medium of Instruction (EMI).

Course Overview

The course has a mixture brief of lectures and field study and covers these following topics:

- Digging4Data
- Heritage Urban Landscape (HUL): Quick Scan
- Cultural Mapping
- Geographic Information System (GIS)
- Building Information Modelling (BIM)
- Urban Regeneration
- Carbon Emissions
- Cultural Heritage Management





Benefits



Benefit 1 : Gaining overview on Historic Urban Landscape Approach, Cultural Mapping and Digging 4data from international experts.

Benefit 2 : Free of tuition fee for online participants.

Benefit 3 : Free accommodation for international students (limited).

Benefit 4 : Certificate and Transferable Credit, equal to 5 credits (in Indonesian education system) with internship opportunities.

For further information, please contact **Isnen Fitri, ST. M.Eng. Ph.D** (+6285276045397) or Email to isnen@usu.ac.id & isca@gmail.com

Registration Link:
bit.ly/iscausu2023



Deadline :

Applications will close at 23:59 GMT+7 on June 02nd, 2024.

SUSTAINABLE TOURISM PLANNING AND DESIGN: NORTH SUMATRA EXPERIENCE

Prof. Ir. Nurlisa Ginting, M.Sc., Ph.D.

FACULTY OF ENGINEERING
UNIVERSITAS SUMATERA UTARA



Course Description

Globally, the latest development campaigns of each nation state always correspond to the principle of sustainability. This principle involves the environmental, socioeconomic, cultural, and governance dimensions. In light of this, the establishment of the tourism industry is essential for implementing the sustainable development agenda. The importance of tourism as a development priority lies in the fact that the economic benefit of this industry may be delivered directly to local communities. By prioritizing tourism that protects the environment and promoting community empowerment, a circular economy pattern will be generated, which will subsequently stimulate the promotion of a green economy.



The global attention in sustainable tourism is growing. On this basis, this summer course will satisfy the worldwide need to understand tourism development issues and educate the international community on the most effective methods for achieving sustainable tourism, learning from the experience of North Sumatra.

This course is intended to introduce the concept of planning and designing tourism destinations with a focus on sustainability. It will combine the multidisciplinary perspectives of urban planners, architects, academics, and stakeholders in order to share their knowledge regarding the creation of sustainable tourism destinations.

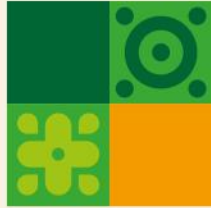
Furthermore, several field trips to notable places in North Sumatra will be organized with the participation of local tourism actors. Besides educating students on sustainable tourism practices, this course will broaden their understanding on the significance of protecting the environment and the wisdom of local communities throughout the implementation of tourism activities in a destination.



Learning Outcome

After complete these course, all the participant

1. Introduction to sustainable tourism principles: *Environment, economic, sociocultural, and governance sustainability.*
2. Exposure to the diversity of sustainable tourism: *Geotourism, Ecotourism, Agrotourism, Heritage Tourism.*
3. Critical thinking on tourism competitiveness and future challenges tourism sustainability
4. Knowledge on tourism destination planning and design from professional practises within the built environment practices
5. study trips to multiple destination in North Sumatra



Method & Output

Method: Hybrid mode and these courses will be held on presentation and excursion

Output: North Sumatra's Sustainable Tourism Course imparts key theories for practical application in planning and design, emphasizing local characteristics and critical evaluation of sustainable tourism impacts.

Time & Place

Time : Mei 14th - Mei 22th, 2024

Place: Faculty of Engineering Universitas Sumatera Utara and Virtual Meeting (Hybrid)

Target: Architecture Students, International Students, Students from other field of relevant study/issue

Course Schedule

Mei 14th - Mei 22th, 2024;

- 14th - 17th of Mei 2024 : **Lectures**
- 19th of Mei 2024: **Travel Day**
- 20th - 22th of Mei 2024 : **Exsecursion**

FEE: -



Further Information

Please Contact: Sarah Nurdini (+62 896 6666 8953)
or email: labkot taxpui@gmail.com
Registration link: <https://bit.ly/IntSummerCourseSustainableTourism2024>



The course is split into topics with a mixture of a short theoretical lectures and practical sessions. the material cover the following topics:

1. Geotourism
2. Community based Tourism
3. Sustainable Tourism Planning and Design
4. Issues and Challenges in Tourism Development
5. Heritage Tourism
6. Environmental Aspects in Sustainable Tourism
7. Cultural Aspects in Sustainable Tourism
8. Ecotourism
9. Socio-economic
10. Governance Aspects
11. Practice of Design for Sustainable Tourism
12. Excursion
13. Group Project
14. Presentation



Sustainable Product Design for Everyday Life

Prof. Ir. Rosnani Ginting, M.T., Ph. D., IPU, ASEAN Eng.

Industrial Engineering Program
Faculty of Engineering, Universitas Sumatera Utara



Course Description

The International Summer Course 2024 adopts the theme of “Sustainable Product Design for Everyday Life”. This theme is chosen with the aim of enhancing participants understanding of environmentally friendly product design concepts, providing insights into responsible raw materials, and exploring innovation in sustainable production processes. The series of activities in this Summer Course consists of **learning activities, seminars, workshops, and study excursions** conducted by several speakers from both local and international universities in the field of engineering.

Targets

This program offers recognized academic value equivalent to 2 credit hours as a contribution to the academic development of students.

Time & Place

2–3 September 2024

Lecturer Session with the Topics

“Sustainable Product Design and Development”

Workshop focusing on :

- “Brainstorming and Mind Mapping”
- “Questionnaire, Statistics Test, Sampling, and Market Research
- “Product Design and Development with QFD”

4–6 September 2024

Excursion Studies

Field Trip

Learning Outcomes

Through the International Summer Course 2024 program, participants are expected to develop their abilities in creative thinking through the Brainstorming process, acquire skills in creating Mind Maps and formulating Questionnaires, and enhance participants capabilities in Product Design and Development.

The International Summer Course 2024 provides seminars conducted by professors from renowned universities internationally. Participants will also have the opportunity to establish relationships with international students, particularly in Southeast Asia. In addition, participants will be given a participation certificate for this activity.

Method & Output

The approach employed for the summer course exclusively involves on-site participation, and the resultant outcome entails The International Summer Course 2024, providing a platform to foster connections with international students, with a special emphasis on those hailing from Southeast Asia. Participants will also acquire expertise in the creation of sustainable products designed to enhance everyday life.

Speakers



Documentation





FACULTY OF ECONOMICS AND BUSINESS



INTERNATIONAL SUMMER COURSE 2024

ADVANCED FEASIBILITY STUDY THEORY AND PRACTICE IN PALM OIL INDUSTRY

Dr. Khaira Amalia Fachrudin SE, Ak, MBA

**FACULTY OF ECONOMICS AND BUSINESS
UNIVERSITAS SUMATERA UTARA**

Feasibility study is an important study in making investment decisions. The studies carried out include legal, technical, marketing, socio-economic and financial aspects. Deepening the financial aspects for making capital budgeting requires a comprehensive understanding of certain topics in financial management. The 2024 International Summer Course held by the Management Study Program, Faculty of Economics and Business, Universitas Sumatera Utara, will examine the theory and practice of making feasibility studies in the Palm Oil Industry. Palm Oil Industry was chosen because North Sumatra is one of the plantation center provinces in Indonesia.

COURSE DESCRIPTION

This course is designed to delve into the fundamental theories of financial management, with a specific focus on their application to the intricacies of palm oil industry feasibility studies. Our curriculum will encompass comprehensive discussions on investment strategies and the principles of sustainable investment. Furthermore, to ensure a practical approach, participants will acquire proficiency in using Microsoft Excel for financial modeling, a vital tool in contemporary financial analysis.



We have also organized an enriching field trip to an operational palm oil industry and plant oil plantataion. This on-site excursion will offer an opportunity to observe real-world practices and collect essential data for the completion of a comprehensive feasibility study. The culmination of our program will require participants to collaborate in group settings to construct a working paper and a feasibility study report, focusing on an actual palm oil industry

In addition to the academic and practical benefits, this course fosters an environment for building lasting professional connections and camaraderie among participants through engaging team-building activities. Notably, we will acknowledge outstanding achievements by awarding prizes to the winners of these activities and the creators of the most exceptional feasibility study report.



LEARNING OUTCOMES

After participating in this program, participants will be able to apply financial management concepts in the palm oil business by utilizing data processing technology so they can design a comprehensive investment plan.



METHODE AND OUTPUT

Lecture material will be provided by competent Professors and Associate Professors from Indonesia and abroad, apart from that there will also be material provided by national practitioners who are experts in this field. The material is provided in a hybrid methode, you can follow it offline at the Universitas Sumatera Utara or via Zoom.

This summer course program is equivalent to 3 credits. The output of this program is an Oil Palm Plantation Feasibility Study Report prepared by participants in groups.





TIME AND PLACE

The material presentation will take place from August 19th to 22nd, 2023, at the Faculty of Economics and Business, USU. Offline participants can attend in person, while online participants can join via Zoom. The field trip will be conducted on August 23rd, 2024, to a palm oil industry in North Sumatra. Participants who do not attend the field trip will still receive 3 credits.

PARTICIPANT

Participants are undergraduate students from within and outside the country



SCAN HERE :



REGISTRATION

<https://bit.ly/ManagementInternationalSummerCourse2024>

This program is free, there is no charge



INTERNATIONAL SUMMER COURSE 2024

REVOLUTIONIZING ACCOUNTING : NAVIGATING THE DIGITAL TRANSFORMATION

Dr. Rina Br. Bukit SE., M.Si., Ak., C.A

FACULTY ECONOMICS AND BUSINESS
UNIVERSITAS SUMATERA UTARA



Course Description

Sustainability accounting and technology link business strategies from a sustainable framework by disclosing environmental, economic, and social information. Furthermore, the framework develops policies that simultaneously promote the business's environmental, economic, and social objectives. This International Summer Course program presents to students with interesting topics as the following:

1. Ethical dilemmas in accounting
2. The future of auditing: technology and assurance
3. International taxation and transfer pricing strategies
4. Cyber security and data protection in accounting
5. Professional development and skills for modern accountants
6. Digital accounting: automation and AI
7. Emerging trends in financial reporting
8. Sustainability accounting, environmental and social responsibility reporting

Learning Outcomes



Participant can critically identify and understand the evolving accounting concept and technology, develop and present research ideas in scientific language and provide input to others critically and appreciatively.



Method



Hybrid courses for participants around the globe



Schedule

Courses May 13rd-22nd, 2024
Medan

Courses May 24th-26th, 2024
Samosir

Benefits

1. World-class lecturers from Gulf University Bahrain, Universiti Utara Malaysia, Suratthani Rajabhat University, Radboud University Netherlands, Rangsit University Bangkok, and University of Technology Sydney Australia.
2. Group discussion with international students from Indonesia, Malaysia, Bahrain, Thailand, Netherland, Australia, Vietnam, etc.
3. Enjoy tourist sites during city tours and field trips in Medan and Samosir, North Sumatera, Indonesia.
4. Certificates, games, and prizes



Requirement to enroll and registration link:

For more information : Alyssa (+62 811-6185-002)
or email : akuntansi@usu.ac.id
Registration link : bit.ly/summercourseaktusu2024



INTERNATIONAL SUMMER COURSE 2024

SOCIAL ENTREPRENEURSHIP AS A SOLUTION TO A REGION'S SOCIAL PROBLEM

Prof. Dr. Ritha F. Dalimunthe, SE., M.Si

FACULTY ECONOMY AND BUSINESS
UNIVERSITAS SUMATERA UTARA

COURSE DESCRIPTION

Social entrepreneurship is a form of business that focuses on providing positive social and environmental impacts, with the aim of prospering society through socially-minded economic development. This summer course programme introduces the concept of social entrepreneurship to students with various topics that include the role of universities in building social entrepreneurship, the role of social entrepreneurship for the development of a country seen from the agricultural region, the development of social entrepreneurship in mangrove tourism villages, and financial management and funding in social entrepreneurship in the success of building sociopreneurs.

Lecturers who will provide material in this programme are experts in their respective fields, who come from leading universities from various countries such as California, Oman, Taiwan, Vietnam, Malaysia, and Indonesia. In addition, participants will gain knowledge about the environment and will participate in various interesting games. They will also visit interesting tourist attractions, such as Mangrove Tourism Village, Pasar Kamu and Pasar Selayar Deli Serdang which are places of implementation of sociopreneur with local wisdom, art, and culture located in Deli Serdang, North Sumatra. All activities in this programme are designed to provide a memorable experience and are relevant to the concept of social entrepreneurship.





LEARNING OUTCOME :

- Transferable course credit
- World class lecturer from California, Oman, Vietnam, Taiwan, Malaysia, Indonesia
- Group discussion with international students
- Study tour and fieldtrip to Pasar KAMU and Mangrove
- Participation certificate
- Participant understand sociopreneur concept and technology development and research activity in sociopreneur
- Arrange networking program in sociopreneur concept and technology development among other countries

METHOD OUTPUT

Method : Hybrid mode and these course will be held on presentation and workshop

Output : By this course there will be networking collaboration among other countries to encourage program, and further research due to sociopreneur concept and technology development

TIME & PLACE

Time : study tour
and fieldtrip by the end of the course

Place : Faculty of Economic and Business,
Pasar KAMU, and virtual meeting (Hybrid)

Target: Researcher, student, academician

COURSE SCHEDULE

September 18-20, 2024
(Hybrid Course)

September 21-22, 2024
(Offline Course)





FOR FURTHER INFORMATION :



+62 823-6202-9549



prodikewirausahaan@usu.ac.id



<https://simkompeten.usu.ac.id/registered-program>



The course is split into topics with a mixture of a short theoretical lectures and practical sessions. The materials cover the following topics:

- The Role of Universities in Building Social Entrepreneurship
- The Role of Social Entrepreneurs for the Development of a Country
- Gender Critical Issues for Sociopreneur
- Building Sociopreneurs in Mangrove Tourism Villages
- Building Social Entrepreneurship in Agricultural Areas
- Financial Management in Building Sociopreneur
- Sociopreneur from a Globalization Perspective
- Technology and Sustainable Environmental for Sociopreneur
- Big Data Analysis for Sociopreneur



FACULTY OF DENTISTRY



INTERNATIONAL SUMMER COURSE 2024

APPLICATION OF NATURAL RESOURCES IN DENTISTRY

drg. Nurdiana, Sp.PM

FACULTY OF DENTISTRY
UNIVERSITAS SUMATERA UTARA



Course Description

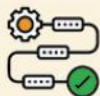
A course experience provides opportunities to learn about natural resources, especially natural resources originating from North Sumatra, which can be used in dentistry. The learning experiences cover pharmacognosy, pharmacology, pharmacotherapy, and research on natural resources. Participants will also visit one of North Sumatra bee farms which develops natural ingredients as research-focused alternative therapies.

Learning Outcomes

1. Discuss the possibility of natural resources being used in dentistry.
2. Explain natural resources to be used as an alternative in dentistry.
3. Outline natural resources to be used in dentistry.
4. Illustrate various benefits of natural resources in dentistry.



Method



- Lecture
- Case-Based Method
- Project-Based Learning
- Hands-on Practice

Output



At the end of the course, participants will be able to:

- Understand natural resources to be used as an alternative in dentistry.
- Evaluate the evidence for various natural resources as a substitute for raw materials used in dentistry.
- Interpret natural resources to be used in dentistry.
- Compare various natural resources for dentistry.

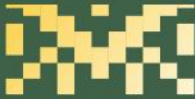
Time & Place

Time : September 18-25, 2024

Place: Faculty of Dentistry,
Universitas Sumatera Utara

Participants will get the following:

- 32 Courses equivalent to 2 Credit Units
- Academic Visit
- Laboratory Visit
- Lake Toba Tour
- Certificate



FACULTY OF CULTURAL SCIENCES



North Sumatra Cultural Diversity: Introducing Malay and Batak Oral Tradition and Local Wisdom

Dr. Rusdi Noor Rosa, S.S., M.Hum.

FACULTY OF CULTURAL SCIENCES
UNIVERSITAS SUMATERA UTARA



Course Description



North Sumatra is one of the provinces in Indonesia which is rich in culture because of its multi-ethnic society. The indigenous population in North Sumatra comes from the Malay, Toba Batak, Karo, Simalungun, Pak-Pak, Mandailing, Pesisir and Nias ethnic groups. Thus, North Sumatra can also be called a multi-cultural area where all ethnicities can live side by side in harmony.

As tribes that grow and develop in North Sumatra Province, Malay and Batak ethnic groups have cultural and historical values that need to be preserved. These values can be traced from historical buildings, oral culture, and traditional leaders of the two tribes. The existence and continuity of cultural values in these two tribes need to be maintained and passed on to future generations, especially those who live in the North Sumatra area. Apart from that, the forms and values of Malay and Batak culture also need to be introduced to the world as large ethnic groups that have strong cultural values.

This course introduces the horizon of Malay and Batak culture in North Sumatra, which is rich in oral traditions, art performances, and the famous handcraft, Ulos. All creations and works are full of meaning and value based on the local wisdom of the local community. This course will provide brief knowledge related to local wealth in North Sumatra, especially the Malay and Toba Batak culture in terms of its meanings and values. This course will also invite participants, especially overseas and outside Sumatra students, to visit areas that strongly practice Toba Batak culture and Ulos weaving production.

Learning Outcomes

After completing this course, all the participants are able to:

1. Understand and recognize local traditions and local wisdom of the Malay and Batak tribes
2. Understand the history and rich cultural diversity that exists around Lake Toba
3. Understand and practice Malay and Batak music, dance and culture
4. Explore and promote the rich cultural diversity around Lake Toba
5. Use simple Indonesian in everyday communication

Benefits

All the participants will get:

1. Summer Course Certificate
2. 20 transferable semester credits

Time & Place

9 – 14 September 2024 :
Faculty of Cultural Sciences,
Medan, Lubuk Pakam
& Samosir Island

**For Further
Information**



+6282370549058 Fikry Prastya
+6282289206058 Rusdi Noor Rosa

Registration Link:
<https://forms.gle/qav7bYZ4nQq5DPgR7>

FACULTY OF SOCIAL AND POLITICAL SCIENCES



INTERNATIONAL SUMMER COURSE 2024

THE 3rd AGRARIAN POLITICS, FOOD SOVEREIGNTY, AND PEASANTS' RIGHTS

Randa Putra Kasea Sinaga S.Sos, M.Kesos

FACULTY OF SOCIAL AND POLITICAL SCIENCES
UNIVERSITAS SUMATERA UTARA



Course Description

The Bachelor of Social Welfare Program, Faculty of Social and Political Sciences, Universitas Sumatera Utara, Indonesia, invites all students to join the Summer Course Program which will be held in August, 2024. This program is the 3rd activity carried out by PUSKAHAP (Center of Peasants' Rights Study) in collaboration with Serikat Petani Indonesia (member of La Via Campesina).

This program is a course that aims to improve the capability and quality of international standard learning for both lecturers and students. During the course, participants will receive teaching from lecturers and experts from various parts of the world. This course consists of three activities: three course meetings through online, field visit to agricultural villages around tourism sites (Asahan River, Lake Toba, and Mount Leuser) and also historical tours (Medan: site of 20th century colonial modern plantation).

Learning Outcomes

1. Transferable course credit: 3 credits.
2. Lectures by Professor form all over the world.
3. Class discussion with international students.
4. Participant certificate.
5. Field trip experience.
6. Free accommodation and consumption.

Method Output

Method: Blended (Online and Offline)

Output: Article to be Published
in an International Journal.



Course Schedule

Time & Place

- Lectures** : August 7-8, 2024
Field Trip : August 21-24, 2024 (Medan, Asahan & Lake Toba)

Registration Link: bit.ly/summercourseusu



For Further Information,
please contact: Randa Sinaga (+6285206358752)
Email: fsisp@usu.ac.id and/or iao@usu.ac.id

EMPOWERMENT PRACTICES FOR DISADVANTAGED PEOPLE

Husni Thamrin S.Sos., MSP

FACULTY OF SOCIAL AND POLITICAL SCIENCES
UNIVERSITAS SUMATERA UTARA



Course Description



The Bachelor of Social Welfare Program, Faculty of Social and Political Sciences, Universitas Sumatera Utara, Indonesia, invites all students to join the Summer Course Program which will be held in August, 2024. This program is a course that aims to improve the capability and quality of international standard learning for both lecturers and students. During the course, participants will receive teaching from lecturers and experts from various parts of the world. This course will focus on the empowerment practice where students will be involved in online lectures in 3 meetings, as well as field visit experience in various tourism sites in North Sumatera Province.

Learning Outcomes

1. Transferable course credit: 3 credits.
2. Lectures by Professor form all over the world.
3. Class discussion with international students.
4. Participant certificate.
5. Field trip experience.
6. Free accommodation and consumption.



Method Output

Method: Blended
(Online and Offline)

Output: Produces articles

Course Schedule

Time & Place

Lectures : August 19-21, 2024
(Medan)

Field Trip : August 21-24, 2024
(Medan, Asahan & Lake Toba)

Registration Link: bit.ly/summercourseusu

For Further Information,
please contact: Randa Sinaga (+6285206358752)

Email: fsip@usu.ac.id
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INTERNATIONAL SUMMER COURSE 2024

SOCIAL ENTREPRENEURSHIP TO ACHIEVE SUSTAINABLE DEVELOPMENT GOALS

Drs. Heri Kusmanto MA., Ph.D

FACULTY OF SOCIAL AND POLITICAL SCIENCES
UNIVERSITAS SUMATERA UTARA



Course Description

The Doctorate in Development Studies Program, Faculty of Social and Political Sciences, Universitas Sumatera Utara, Indonesia, invites all students to join the Summer Course program held in September 2024. This Program aims to improve the capability of international standard learning for both lecturers and students. During the course, participants will receive teaching from lecturers and experts from various parts of the world. This course applies a blended learning method consisting of 3 online meetings for lecturing and a field trip to visit various tourist destinations in North Sumatra Province (Lake Toba and Samosir Island)

Learning Outcomes

1. Transferable course credit: 3 credits.
2. Lectures by Professor form all over the world.
3. Class discussion with international students.
4. Participant certificate.
5. Field trip experience.
6. Free accommodation and consumption.



Method Output

Method: **Blended Learning**
(Online and Offline).

Output: **Article to be Published**
in an International Journal.

Course Schedule

Time & Place

Lectures : **September 02-03, 2024**
(Medan)

Field Trip : **September 04-07, 2024**
(Medan, Lake Toba & Berastagi)

Registration Link: bit.ly/summercourseusu

For Further Information,
please contact: Randa Sinaga (+6285206358752)

Email: fisip@usu.ac.id
and/or iao@usu.ac.id

INTERNATIONAL SUMMER COURSE 2024

LOCAL LEADERSHIP FOR SUSTAINABLE DEVELOPMNET

Asima Yanty Siahaan, M.A., PhD

FACULTY OF SOCIAL AND POLITICAL SCIENCES
UNIVERSITAS SUMATERA UTARA



Course Description

The Magister of Public Administration, Faculty of Social and Political Science, Universitas Sumatera Utara, Indonesia, invites all students to join the Summer Course Program, which will be held in october 2024. This Program aim to improve the capability and quality of international standard learning for both lecturers and students. During the course, participants will receive teaching from lecturers and experts from various parts of the world. This course will focus on Local Leadership for Sustainable Development, where students will be involved in lectures using the blended method in 3 meetings and a field trip experience with indigenous peoples in the Lake Toba area.



Learning Outcomes

1. Transferable course credit: 3 credits.
2. Lectures by Professor form all over the world.
3. Class discussion with international students.
4. Participant certificate.
5. Field trip experience.
6. Free accommodation and consumption.



Method Output

Method: **Blended**

Output: **Article to be Published
in an International Journal.**

Course Schedule

Time & Place

Lectures : October 14-16, 2024
(Medan)

Field Trip : October 17-20, 2024
(Samosir Island and Lake Toba)

Registration Link: bit.ly/summercourseusu

For Further Information,
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MARITIME CULTURE STUDIES IN INDONESIA

Dr. Drs Irfan M.Si

FACULTY OF SOCIAL AND POLITICAL SCIENCES
UNIVERSITAS SUMATERA UTARA



Course Description

COURSE DESCRIPTION

The Bachelor of Social Welfare Program, Faculty of Social and Political Sciences, Universitas Sumatera Utara, Indonesia, invites all students to join the Summer Course Program which will be held in August, 2024. This program is a course that aims to improve the capability and quality of international standard learning for both lecturers and students. During the course, participants will receive teaching from lecturers and experts from various parts of the world. This course will focus on the maritime culture in Indonesia where students will be involved in online lectures in 3 meetings, as well as field visit experience in various tourism sites in North Sumatera Province.

Learning Outcomes

1. Transferable course credit: 3 credits.
2. Lectures by Professor from all over the world.
3. Class discussion with international students.
4. Participant certificate.
5. Field trip experience.
(Coastal Area of Sumatra and Salah Namu Island in the Strait of Malacca)
6. Free accommodation and consumption.

Method Output

Method: Blended (Online and Offline)

Output: Article Writing



Course Schedule

Time & Place

Lectures : August 05-06, 2024
(Medan)

Field Trip : August 21-24, 2024
(Medan, Lake Toba & Kalimantang Islands)

Registration Link : bit.ly/summercourseusu





FACULTY OF PUBLIC HEALTH



INTERNATIONAL SUMMER COURSE 2024

LOCAL WISDOM IN SUPPORTING COMMUNITY HEALTH IN TROPICAL AREAS IN NORTH SUMATERA PROVINCE OF INDONESIA

Faculty of Public Health
Universitas Sumatera Utara



Course Description

Tropical regions are characterized by their unique ecological diversity, rich cultural traditions, and distinctive health challenges. This summer course, offered by the Faculty of Public Health at the University of Sumatera Utara, delves into the multifaceted world of public health in tropical areas. It explores how local wisdom, indigenous knowledge, and traditional practices play a vital role in addressing public health issues, and how these regions navigate their distinctive environmental factors to ensure the well-being of their communities.

Course Objectives

1. To understand the unique public health challenges in tropical regions
2. To explore how local wisdom and traditional practices contribute to public health in these areas
3. To understand community efforts to maintain health in the local cultural context
4. To observe the phenomenon of community behavior in health related to local community culture and habits

Course Topics

- Introduction to Tropical Public Health
- Cultural and Traditional Practices in Tropical Health
- Biodiversity and Ecosystem Health
- Environmental Factors and Disease in Tropical Regions
- Field Visits and Community Engagement

Duration

This is a summer course with a typical duration of 1 week (July 1 - July 7, 2024)

Credits

This course is equivalent to 2 credits.

Teaching Methods

The course will combine lectures (online and offline), group discussions, case studies, and field visits to local communities. Students will have the opportunity to interact with local experts and community members to gain a practical understanding of public health in tropical areas.

Prerequisites

There are no specific prerequisites for this course, but a background in public health, environmental science, or related fields is beneficial.

Assessment

Assessment methods may include group projects, presentations, class participation, and a final research paper on a relevant topic.

Target Audience

This course is open to undergraduate and graduate students interested in public health, environmental science, tropical studies, and related disciplines.

Registration Link:

<https://bit.ly/summercourse2024>

Contact Person

Ismil Khairi Lubis, SKM., MPH
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FACULTY OF PHARMACY



SUSTAINABILITY AND INNOVATION OF NATURAL COSMETICS

Dr. Sumaiyah S.Si., M.Si., Apt

FACULTY OF PHARMACY
UNIVERSITAS SUMATERA UTARA



Course Description

The use of cosmetics as a decorative effort and aesthetic perspective in the world of pharmacy began to develop. The cosmetic industry in Indonesia began to develop with many local products starting to circulate. The use of cosmetics has also increased due to cosmetic users not only dominated by women, but also men. Cosmetics from good natural ingredients derived from plants, animals, as well as other materials have been around since 3500 years ago. The use of cosmetics in simple form and in traditional ways, has been used by human since long time. Over time, as well as the development of knowledge, more modern cosmetic preparations such as preparations in the form of creams, which are a mixture of several component ingredients that are formulated more stable in the pharmaceutical industry. Natural commodities that are the local wisdom of North Sumatra Province, in particular, are palm oil. Palm oil can be used as an active ingredient in the process of being processed into palm oil (CPO) which can be formulated into a cosmetic preparation that has benefits in its use. Various cosmetic studies have been developed with natural ingredients, and in this activity the basic ingredients of palm oil become the main active ingredient in the manufacture of cosmetics. This course with the theme of **“Sustainability and Innovation of Natural Cosmetics”** will provide brief knowledge regarding the history of traditional use and manufacture of cosmetics, cosmetic trends used today, technology for making cosmetic preparations, the use of natural ingredients in the manufacture of cosmetics, palm oil as an active ingredient in cosmetics, regulations governing the licensing and circulation of cosmetics, and halal cosmetics. In addition, this course provides an opportunity for participants to be able to make cosmetics with natural ingredients of palm oil as a typical commodity of North Sumatra. This course will also invite participants, especially those from outside Sumatra and outside Indonesia, to explore and get to know the culture of North Sumatra and cannot be separated from exploring the potential of natural materials owned by Sumatra.

Method & Output

Method :

The course will be conducted in blended learning method whereby participants can join online for the lectures and offline for the workshop and field trip.

Output :

The course will resulting network collaboration among international and national universities, also government institution, increase the number of inbound students and promoting the North Sumatera cultural and historical tourism.



Learning Outcome

- Explain the history, classification, dosage forms and purpose of use of cosmetics
- Explain plants or natural ingredients that can be used as natural active ingredients in making cosmetics
- Explain the development and prospects of natural ingredients as active ingredients in cosmetics
- Formulate and produce cosmetics made from nature
- Understand regulations related to cosmetic products
- Interpret cosmetics made from nature from participants' regions of origin
- Explore the culture of North Sumatra

Time and Place

19 – 23 August 2024 : Online lectures (Zoom Meeting)

24 – 28 August 2024 : Offline activities (workshop and fieldtrip to Berastagi and Toba Lake)



For More Information

Facebook and Instagram: official.farmasiusu

Contact: Ade Sri Rohani (+6285297166976)

Registration link: https://s.id/ISCP2024_RegistrationForm

Email : iscpffusu@gmail.com



FACULTY OF NURSING



NURSING COMPLEMENTARY THERAPY BASED ON LOCAL WISDOM

Mula Tarigan, S.Kp., M.Kes., Ph.D.

FACULTY OF NURSING
UNIVERSITAS SUMATERA UTARA



Introduction

Nursing is one of health professional sciences that involves interventions at the individual, group, family, and community levels. These interventions are, in some aspects, independent, and in others, collaborative, where nurses require cooperation with other healthcare professionals such as doctors, physiotherapists, nutritionists, and others.

One common therapy provided in nursing care is complementary therapy. Complementary therapy is used to support medical treatment, encompassing aspects of the mind, body, and spirit. In nursing practice, it often incorporates complementary therapies into patient care. Therapies such as massage, aromatherapy, acupressure, and several others are both independent and collaborative therapies, subject to specific competency requirements.

Therefore, in the implementation of the 2024 Summer Course activities, the Faculty of Nursing, Universitas Sumatera Utara, will introduce several locally based complementary therapies. Sumatera Utara is known as a province with various local wisdom, ranging from culture to traditional medicine, such as "Oukup," "Kem Kem," and other traditional herbal remedies. In addition, participants will be introduced to and directly interact with Karo herbalists, gaining new insights into the local wisdom of Sumatera Utara, as well as experiencing cultural tour and Bukit Lawang Travel for 2 days.

Course Description

This summer course is designed to support the students's competence, practitioners, and academicians in healthcare provision. It also involves enhancing abilities in explaining and understanding various complementary therapies. This is achieved through lectures and the practical application in culturally and community-based care.

Method

The implementation of the activities will be conducted through online and offline methods. All lectures will be delivered online, and site visits will be carried out offline, taking place at the laboratories of the Faculty of Nursing, Universitas Sumatera Utara, Desa Batu Katak and Istana Maimun.



Schedule



Announcement Call
for Summer Program : April – June 2024
Application Deadline : 3 June 2024
Notification of Acceptance : 10 June 2024
Summer Course Date : 1 – 8 July 2024



Lecture Topics

The topic of this activity is locally based complementary therapy with some sub-topics:

1. Self-Healing in Complementary Nursing: Nurses' Caring Effort
2. Acupuncture from the Ancient to the Current Naturopathy/herbal medicine
3. Complementary therapy in Thailand
4. Complementary therapy with the Karo cultural treatment approach, Oukup.

Learning Outcome

1. Interactive lectures conducted in English accompanied by case-building projects.
2. Field studies and Cultural Tours.
3. Assignments for participants, including theory, focus group discussions, and progress presentation.
4. Creating publications/essays in the form of posters, which will be published through the website and communication media.
5. Participants will receive transferable credits, equivalent to 2 credit points (according to the Indonesian credit system).



Speakers Profile

Indonesia

- Prof. Jim Paul, Griya Sehat Thabib Prof. Jim
- Dr. Widyatuti, M.Kes., Sp.Kom, Fakultas Keperawatan, Universitas Indonesia
- Dr. Evi Karota, S.Kp., MNS, Fakultas Keperawatan, Universitas Sumatera Utara
- Dr. dr. Dedi Ardinata, M.Kes., AIFM

Thailand

- Assoc. Prof. Tippamas Chinnawong, Faculty of Nursing, Prince of Songkla University

Australia

- Dr Janet Schloss (PhD), Clinical Research Fellow, National Centre of Naturopathic Medicine (NCNM), Australia



Prof. Jim Paul



Dr. Widyatuti, M.Kes., Sp.Kom



Dr. Evi Karota, S.Kp., MNS



Dr. dr. Dedi Ardinata, M.Kes., AIFM



Assoc. Prof. Tippamas Chinnawong



Dr. Janet Schloss (PhD)





INTERNATIONAL SUMMER COURSE 2024

JOURNEY AMONG NORTH SUMATRAN MANGROVE

Prof. Mohammad Basyuni, S.Hut, M.Si, Ph.D

Center of Excellence for Mangrove
Universitas Sumatera Utara

COURSE DESCRIPTION

Mangroves are plants that grow in coastal environments, particularly the intertidal zone or tidal area. These plants have a unique ability to grow and live in salty, erosion-prone environments. Mangroves have a unique root structure, namely supporting roots that may maintain plants upright even when exposed to high waves and tides. Mangroves also serve as a habitat for numerous species of marine animals and provide coastal protection from abrasion. The presence of mangroves is critical to the coastal environment's sustainability and the livelihoods of those who live alongside.

Mangroves are becoming more and more pertinent and fascinating study subjects since they are coastal ecosystems that are rich in biodiversity and crucial to preserving environmental balance. Mangroves are crucial for low-carbon development and the answers to climate change. Understanding, safeguarding, and making use of this ecosystem are all made possible by the Mangrove Summer Course.

This course aims to give Summer Course participants an understanding of the biodiversity of mangrove ecosystems, including the ecology of the species that live there and the connections between mangroves, the environment, and human.





LEARNING OUTCOME

After complete this course, all the participants:

1. Transferable course credit: 2 credits.
2. Lectures by professors from different countries.
3. Class discussions.
4. Participation certificate.
5. Ability to understand the biodiversity of mangrove ecosystems.
6. Arrange networking program about mangrove among Asian-African countries.
7. Visit Beras Basah and Pasar Rawa, Langkat.

METHOD & OUTPUT

Method: These courses will be conducted in presentation and workshop

Output: By the end of this Summer Course there will be networking collaboration among Asian-African countries to encourage program and further research related to Mangrove.

TIME & PLACE



TIME

29-31 August 2024 (Lectures)
1-3 September 2024 (Field Trip)



PLACE

Campus 1 Universitas Sumatera Utara;
Faculty of Forestry USU;
Main Campus Universitas Prima
Indonesia
Beras Basah & Pasar Rawa Langkat



TARGET

Student, Researcher, Academician



SCHOLARSHIP

Selected scholarship is available for 30 selected passionate and committed students from all level (undergraduated and postgraduated, 15 international and 15 Indonesian students)



FOR FURTHER INFORMATION



Email: pويمangrove@usu.ac.id



Website: www.mangrove.usu.ac.id; pويمangroveusu.id



Instagram: [@pويمangrove](https://www.instagram.com/pويمangrove)



SUMMER COURSE

The course is split into topics with mixture of a short theoretical lecture and practical studies. The materials cover the following topics:

1. Introduction of Mangrove in North Sumatera.
2. Contribution of mangrove conservation and restoration to climate change mitigation in Indonesia.
3. Diversification of Forest Products from Mangrove.
4. The Role of Mangroves in Coastal Protection.
5. Detection of changes in mangrove coverage using the Google Earth Engine Tool.
6. Mangrove for Natural dyeing.
7. Monitoring mangrove biodiversity using eDNA dan DNA barcode.



POSTGRADUATE SCHOOL UNIVERSITAS SUMATERA UTARA



INSPECTION TECHNIQUES AND DATA ANALYSIS OF OIL PALM PLANTATION VALUATION

Prof. Dr. Elisabet Siahaan, SE., M. Ec

MASTER MANAGEMENT PROPERTY AND VALUATION 2024
POSTGRADUATE SCHOOL UNIVERSITAS SUMATERA UTARA



Course Description

International Summer Course Master Management Property and Valuation 2024 (ISCMMPV 2024) Postgraduate School Universitas Sumatera Utara “Inspection Techniques and Data Analysis of Oil Palm Plantation Valuation” is an International summer program course, which is a learning platform delivered in the form of conceptual and theoretical material, case studies, as well as field observations delivered by

academics, appraisal practitioners from within the country and abroad. The speakers of this summer course are palm oil producing countries producing countries in the world, namely Indonesia, Malaysia, Thailand, and Singapore. The resource persons in this program will provide complete information on inspection techniques and data analysis of oil palm plantation appraisals.

The topic of this Summer Course Program was developed in line with the elective course of the Master of Property Management and Valuation Postgraduate School Universitas Sumatera Utara, namely Plantation Valuation. The Semester Learning Plan that has been prepared by the Master of Property Management and Valuation Study Program shows its close relationship with the Inspection Techniques and Data Analysis of Oil Palm Plantation Valuation activities. There is a clear alignment between the material taught in the Plantation Valuation course and the topics that will be presented in the summer course program, such as Oil Palm Valuation and other Plantation Property Valuation Case Studies. The compatibility of the material taught in the course with the topics that will be discussed in the summer course program signifies a strong commitment from the Master of Property Management and Valuation Study Program. This program not only prepares students to understand, but also apply critical concepts that are highly relevant to the real world in the field of plantation property valuation.



ISCMMPV 2024 is in line with USU's future vision to produce scholars with TALENTA (Tropical Science and Medicine, Agroindustry, Local Wisdom, Energy [sustainable], Natural Resources [biodiversity, forest, marine, mine, tourism], Technology [appropriate] and Arts [ethnic]). Within the scope of Inspection Techniques and Data Analysis of Oil Palm Plantation Valuation activities, this summer course program aligns various main topics that are an integral part of USU's TALENTA vision, namely the sub-topics of Plantation Feasibility Studies, Income and Cost Analysis in Plantation Valuation, Inspection Techniques, Data Collection, Land Preparation and Technical Aspects of Oil Palm Plantation Maintenance, General Norms of Oil Palm Plantation Cultivation, Data Needs and Inspection Techniques in the Plantation Valuation Process, Data Analysis and EPP & PPP Calculations and other important aspects. By covering these important aspects, this summer course holistically prepares participants to become expert oil palm plantation property appraisers who are not only competent but also deeply understand the dynamics of the rapidly evolving industry.

ISCMMPV 2024 participants target students from various Master of Management, Business, or equivalent study programs from universities that have collaborated with the University of North Sumatra. The main target is students from neighboring ASEAN countries, such as Malaysia, Thailand, and Singapore.

However, the program is also open to students from European countries. Currently, USU has established MoU agreements with several campuses abroad, which will be optimized through an Implementation Agreement (IA). Especially for the Property Management and Valuation Postgraduate School, several universities have collaborated such as the University of Malaya (UM), Universiti Teknologi MARA (UiTM), Universiti Sains Malaysia (USM), National University of Singapore (NUS), etc.

Participants will be actively involved in various activities such as interactive discussions, case studies, and simulations that will be guided by industry experts, leading lecturers, and experienced practitioners in the field of estate property valuation. The program schedule is held for 7 days, starting from July 4th to 10th, 2024. Participating ISCMMPV 2024 participants can take part in the activities actively without having to sacrifice their time for other academic obligations. In addition to delving into case studies, participants will also engage in practical sessions covering field inspection techniques and data collection in an actual plantation environment. The program provides an opportunity for participants to develop practical skills in applying estate assessment concepts in the real world, while expanding their professional network by interacting and learning with other participants from different parts of the world. With a focus on practical application and in-depth experience, the program is expected to significantly contribute to participants' knowledge and skills in facing challenges in the estate property valuation industry.

In addition to collaborations with universities, the Property Management and Valuation Postgraduate School of Universitas Sumatera Utara also has significant partnerships with the Indonesian Society of Appraisers Professional Association (MAPPI) and institutions such as the Pusat Pengembangan Kompetensi Sumber Daya Manusia (PPKS) and PT Perkebunan Nusantara IV (PTPN IV). These partnerships add value to the program by offering perspectives and knowledge in the areas of property management and valuation. Especially plantation valuation.



Method & Output

Method :

Hybrid



Output :

Through this course, participants will have an in-depth understanding of inspection techniques and data analysis in oil palm plantation property valuation as well as the skills to apply them in a real-world context. They will also expand their professional network by meeting with academics and appraisal practitioners from within and outside the country.



Learning Outcomes

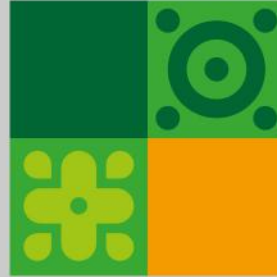
1. **In-depth Inspection Techniques:** Explore inspection techniques related to land preparation and technical aspects of oil palm plant maintenance.
2. **Comprehensive Data Collection:** Master data collection methods that cover various aspects of oil palm plantations, such as general, specialized, demand and supply data.
3. **Application of Concepts in Real Cases:** Apply knowledge and skills in real case scenarios to prepare participants to face challenges in the field.
4. **Precision Data Analysis:** Train participants in analyzing data precisely using industry 4.0 concepts to provide accurate oil palm plantation property valuations.
5. **Integration with Recent Developments:** Connecting knowledge with the latest developments in industry 4.0 to improve professionalism as a property appraiser and contribute to the development of the property industry, particularly in plantation property valuation in the industry 4.0 era.
6. **Risk Evaluation and Mitigation Strategies:** Understand risk evaluation methods, economic factors, and mitigation strategies in oil palm plantation property valuation.
7. **Effective Communication:** Develop communication and presentation skills to convey valuation results to stakeholders and support appropriate decision-making.

Benefits

1. In-dept insight into the Valuation used speciafically in the plantation context from international expert
2. Free tuition fee for online participants (Limites)
3. Accommodation and Free Lunch for 10 International Students who register in advance
4. Certificate and Transferable Credits, Equivalent to 5 SKS (In the Indonesian Education System)

Time & Place

Time : September 02nd - 9th, 2024
Place : Magister Management
Lecture Hall, USU
Pusat Penelitian Kelapa Sawit
(PPKS) Office



FURTHER INFORMATION

E-mail: scmpvmmppusu@gmail.com
Contact Person: +6287868211444 (Theo)

DEADLINE

Applications will close at 23:59 GMT+7 on May 02nd, 2024.





**Universitas
Sumatera Utara**

Summer Course Program Book

2024



usu.ac.id



[official.usu](https://www.instagram.com/official.usu)



[usuofficial](https://twitter.com/usuofficial)



[Universitas Sumatera Utara](https://www.youtube.com/UniversitasSumateraUtara)